

SERVICE MANUAL

Revision History

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- ## PERSONAL COMPUTER

SONY®

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Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate. Dispose of used battery promptly. Keep away from children.

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, multilation or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

Service and Inspection Precautions

1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the \triangle mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

4. Inspect after completing service

After servicing, inspect to make sure that all

screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

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History of the changes is shown as the "Revision History" at the end of this data.

変更履歴は、"Revision History"として、
本データ末に記載してあります。

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

CHAPTER 1.

SPECIFICATIONS

1-1. Specifications

| | J | | | |
|------------------------|-----------------------------|-----------------------------|----------------------------|-----------------------------|
| | VGN-A61B | VGN-A51S2*/A51PS2* | VGN-A51S1*/A51PS1* | VGN-A71S*/A71PS* |
| CPU | Pentium-M 1.6A(D) | *1) | *1) | *1) |
| Graphic | Mobility Radeon 9700 | Mobility Radeon 9200 | Mobility Radeon 9200 | Mobility Radeon 9700 |
| LCD | 17.0"WXGA+ (Clear Black) | 15.0"SXGA+ (Clear Black) | 15.4"WXGA (Clear Black) | 17.0"WUXGA (Clear Black) |
| HDD | 80GB | *2) | *2) | *2) |
| MEMORY(Slot1) | 512MB DDR333 | *3) | *3) | *3) |
| MEMORY(Slot2) | - | | | |
| QUANTITY[STANDARD/MAX] | 512MB/2GB | | | |
| OPT-DRIVE | DVD Multi Drive | DVD Multi Drive Combo | DVD Multi Drive Combo | DVD Multi Drive Combo |
| AC adaptor | AC19V7 | AC19V7/AC19V3 | AC19V7/AC19V3 | AC19V7/AC19V3 |
| Battery | BP2EA | BP2EA | BP2EA | BP2EA |
| Wireless LAN | O | O | O | O |
| Bluetooth | X | X | X | X |
| AV PR | O | O/X | O/X | O/X |
| Audio PR | X | X | X | X |
| W-Mouse | O | X | O | O |
| Memory Card Adapter | O | O | O | O |
| Remote Controller | O | O/X | O/X | O/X |
| OS | XP Home | XP Home/XP Pro | XP Home/XP Pro | XP Home/XP Pro |

△[MA] *1)Mobile Cel 1.4,Pentium-M 1.6A(D),Pentium-M 1.8(D),Pentium-M 2.0(D) *2)100GB,80GB(5400rpm),60GB *3)1024MB*2,512MB*2,512MB*1

△[MA] *4)Mobile Cel 1.3,Mobile Cel 1.4(B),Pentium-M 1.5A(D),Pentium-M 1.60,Pentium-M 1.7(D),Pentium-M 1.8(D),Pentium-M 2.0(D) *5)100GB,80GB(5400rpm),80GB,60GB,40GB *6)1024MB*1,1024MB*2,512MB*1,512MB*2,256MB*1,256MB*2

| | AM | | | | | | |
|------------------------|-----------------------------|----------------------------|----------------------------|--------------------------------------|-------------------------------|---------------------------------------|----------------------------|
| | VGN-A290 | VGN-A260 | VGN-A250 | VGN-A230*/A230B*/A230P* | VGN-A240*/A240B*/A240P* | VGN-A270*/A270B/A270P* | VGN-A290F |
| CPU | Pentium-M 1.7A(D) | Pentium-M 1.6A(D) | Pentium-M 1.6A(D) | *4) | *4) | *4) | Pentium-M 1.6A(D) |
| Graphic | Mobility Radeon 9700 | Mobility Radeon 9200 | Mobility Radeon 9200 | Mobility Radeon 9200 | Mobility Radeon 9200 | Mobility Radeon 9700 | Mobility Radeon 9200 |
| LCD | 17.0"WUXGA (Clear Black) | 15.4"WXGA (Clear Black) | 15.4"WXGA (Clear Black) | 15.0"XGA/15.0"SXGA+ (Clear Black) | 15.4"WXGA (Clear Black) | 17.0"WUXGA/17.0"WXGA (Clear Black) | 15.4"WXGA (Clear Black) |
| HDD | 100GB | 80GB | 80GB | *5) | *5) | *5) | 60GB |
| MEMORY(Slot1) | 512MB DDR333 | 256MB DDR333 | 256MB DDR333 | *6) | *6) | *6) | 256MB DDR333 |
| MEMORY(Slot2) | 512MB DDR333 | 256MB DDR333 | 256MB DDR333 | | | | 256MB DDR333 |
| QUANTITY[STANDARD/MAX] | 512MB/2GB | 512MB/2GB | 512MB/2GB | | | | 512MB/2GB |
| OPT-DRIVE | DVD+/-RW | DVD+/-RW | DVD+/-RW | DVD+/-RW Combo | DVD+/-RW Combo | DVD+/-RW Combo | DVD+/-RW |
| AC adaptor | AC19V7 | AC19V7 | AC19V3 | AC19V7/AC19V3 | AC19V7/AC19V3 | AC19V7/AC19V3 | AC19V3 |
| Battery | BP2EA | BP2EA | BP2EA | BP2EA | BP2EA | BP2EA | BP2EA |
| Wireless LAN | O | O | O | O/X | O/X | O | O |
| Bluetooth | X | X | X | O/X | O/X | O | X |
| AV PR | O | O | X | O/X | O/X | O/X | X |
| Audio PR | X | X | X | X | X | X | X |
| W-Mouse | X | X | X | X | O | O/X | X |
| Memory Card Adapter | X | X | X | X | X | X | X |
| Remote Controller | O | O | X | O/X | O/X | O/X | X |
| OS | XP Home | XP Home | XP Home | XP Pro/XP Pro SMB/ XP Home | XP Pro/XP Pro SMB/ XP Home | XP Pro/XP Pro SMB/ XP Home | XP Home |

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• The trademarks or registered trademarks of above table, refer to page 2.

• The model that is accompanied by asterisk (*) is the CTO model
For the equipment configuration, refer to the CTO Information.

• 本表中の商標・登録商標については、2 ページをご参照ください。
• 機種名に (*) がつくのは CTO モデルです。
組み合わせについては、CTO Information ご確認ください。

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

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|------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
| | VGN-A297XP | VGN-A217S | VGN-A217M | VGN-A295HP | VGN-A215M | VGN-A215Z |
| CPU | Pentium-M 1.8A(D) | Pentium-M 1.7A(D) | Pentium-M 1.6A(D) | Pentium-M 1.7A(D) | Pentium-M 1.6A(D) | Pentium-M 1.7A(D) |
| Graphic | Mobility Radeon 9700 | Mobility Radeon 9700 | Mobility Radeon 9700 | Mobility Radeon 9200 | Mobility Radeon 9200 | Mobility Radeon 9200 |
| LCD | 17.0"WUXGA (Clear Black) | 17.0"WXGA+ (Clear Black) | 17.0"WXGA+ (Clear Black) | 15.4"WXGA (Clear Black) | 15.4"WXGA (Clear Black) | 15.4"WXGA (Clear Black) |
| HDD | 80GB | 100GB | 80GB | 60GB | 60GB | 60GB |
| MEMORY(Slot1) | 512MB DDR333 | 256MB DDR333 | 256MB DDR333 | 256MB DDR333 | 256MB DDR333 | 256MB DDR333 |
| MEMORY(Slot2) | - | - | - | - | - | 256MB DDR333 |
| QUANTITY[STANDARD/MAX] | 512MB/2GB | 512MB/2GB | 512MB/2GB | 512MB/2GB | 512MB/2GB | 512MB/2GB |
| OPT-DRIVE | DVD+/-RW | DVD+/-RW | DVD+/-RW | DVD+/-RW | DVD+/-RW | DVD+/-RW |
| AC adaptor | AC19V3 | AC19V7 | AC19V3 | AC19V3 | AC19V3 | AC19V3 |
| Battery | BP2EA | BP2EA | BP2EA | BP2EA | BP2EA | BP2EA |
| Wireless LAN | O | O | O | O | O | O |
| Bluetooth | O | O | O | O | X | O |
| AV PR | X | O | X | X | X | X |
| Audio PR | X | X | X | X | X | X |
| W-Mouse | O | O | O | X | X | X |
| Memory Card Adapter | X | X | X | X | X | X |
| Remote Controller | X | O | X | X | X | X |
| OS | XP Pro | XP Home | XP Home | XP Pro | XP Home | XP Home |
| | △[MA] | △[MA] | △[MA] | △[MA] | △[MA] | △[MA] |

| | AO | | | | | | |
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| | VGN-A29CP | VGN-A23CP | VGN-A21C | VGN-A29GP | VGN-A29SP | VGN-A29LP | VGN-A29TP |
| CPU | Pentium-M 2.0A(D) | Pentium-M 1.6A(D) | Pentium-M 1.5A(D) | Pentium-M 1.6A(D) | Pentium-M 1.6A(D) | Pentium-M 1.6A(D) | Pentium-M 1.6A(D) |
| Graphic | Mobility Radeon 9700 | Mobility Radeon 9200 | Mobility Radeon 9200 | Mobility Radeon 9200 | Mobility Radeon 9200 | Mobility Radeon 9200 | Mobility Radeon 9200 |
| LCD | 17.0"WUXGA (Clear Black) | 15.0"XGA | 15.4"WXGA (Clear Black) | 15.4"WXGA (Clear Black) | 15.4"WXGA (Clear Black) | 15.4"WXGA (Clear Black) | 15.4"WXGA (Clear Black) |
| HDD | 80GB | 40GB | 40GB | 60GB | 60GB | 60GB | 60GB |
| MEMORY(Slot1) | 512MB DDR333 | 256MB DDR333 | 256MB DDR333 | 512MB DDR333 | 512MB DDR333 | 512MB DDR333 | 512MB DDR333 |
| MEMORY(Slot2) | - | - | - | - | - | - | - |
| QUANTITY[STANDARD/MAX] | 512MB/2GB | 512MB/2GB | 512MB/2GB | 512MB/2GB | 512MB/2GB | 512MB/2GB | 512MB/2GB |
| OPT-DRIVE | DVD+/-RW | Combo | Combo | DVD+/-RW | DVD+/-RW | DVD+/-RW | DVD+/-RW |
| AC adaptor | AC19V7 | AC19V3 | AC19V3 | AC19V3 | AC19V3 | AC19V3 | AC19V3 |
| Battery | BP2EA | BP2EA | BP2EA | BP2EA | BP2EA | BP2EA | BP2EA |
| Wireless LAN | O | O | O | O | O | O | O |
| Bluetooth | X | X | X | X | X | X | X |
| AV PR | X | X | X | X | X | X | X |
| Audio PR | O | X | X | X | X | X | X |
| W-Mouse | X | X | X | X | X | X | X |
| Memory Card Adapter | O | X | X | X | X | X | X |
| Remote Controller | O | X | X | X | X | X | X |
| OS | XP Pro | XP Pro | XP Home | XP Pro | XP Pro | XP Pro | XP Pro |
| | △[MA] | △[MA] | △[MA] | △[MA] | △[MA] | △[MA] | △[MA] |

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組み合わせについては、CTO Information ご確認ください。

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

1-2. CTO Information

1. Model name:VGN-A51PS2(Japanese Area)

OS:Windows XP Pro
Ver.1.0

| | | | | |
|----------------------------|--|---|---|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Celeron-M 330 6-706-572-01 IC RH80535NC017512SL6N6 |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB,HTS548080M9AT00) | 60GB A-1065-502-A ASSY HDD 60GB (-21) (L40) (S) | |
| LCD | 15.0 SXGA+ A-1062-139-A LCD UNIT (2CFL-15SXGA+-SH) | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | |
| Opt.Drive | Super Multi/+DL 1-797-066-11 DVD+-RW(UJ-831BSX2-A) | Combo24 1-797-053-11 COMBO DRIVE(UJDA760) | | |
| W-LAN | b/g(intel) 1-761-864-23 WIRELESS LAN CARD | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | |
| TV Tuner (Port Replicator) | PRAV1 | None | | |
| Mouse | None | | | |

2. Model name:VGN-A51S2(Japanese Area)

OS:Windows XP Home
Ver.1.0

| | | | | |
|----------------------------|--|---|---|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Celeron-M 330 6-706-572-01 IC RH80535NC017512SL6N6 |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB,HTS548080M9AT00) | 60GB A-1065-502-A ASSY HDD 60GB (-21) (L40) (S) | |
| LCD | 15.0 SXGA+ A-1062-139-A LCD UNIT (2CFL-15SXGA+-SH) | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | |
| Opt.Drive | Super Multi/+DL 1-797-066-11 DVD+-RW(UJ-831BSX2-A) | Combo24 1-797-053-11 COMBO DRIVE(UJDA760) | | |
| W-LAN | b/g(intel) 1-761-864-23 WIRELESS LAN CARD | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | |
| TV Tuner (Port Replicator) | PRAV1 | None | | |
| Mouse | None | | | |



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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

3. Model name:VGN-A51PS1(Japanese Area)

OS:Windows XP Pro
Ver.1.0

| | | | | |
|----------------------------|---|---|---|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Celeron-M 330 6-706-572-01 IC RH80535NC017512SL6N6 |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB,HTS548080M9AT00) | 60GB A-1065-502-A ASSY HDD 60GB (-21) (L40) (S) | |
| LCD | 15.4 WXGA A-1072-741-A ASSY LCD(15.4WXGA)(H)(S) | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | |
| Opt.Drive | Super Multi+DL 1-797-066-11 DVD+RW(UJ-831BSX2-A) | Combo24 1-797-053-11 COMBO DRIVE(UJDA760) | | |
| W-LAN | b/g(intel) 1-761-864-23 WIRELESS LAN CARD | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | |
| TV Tuner (Port Replicator) | PRAV1 | None | | |
| Mouse | WMS5 1-796-824-32 MOUSE (SLV) | | | |

4. Model name:VGN-A51S1(Japanese Area)

OS:Windows XP Home
Ver.1.0

| | | | | |
|----------------------------|--|---|---|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Celeron-M 330 6-706-572-01 IC RH80535NC017512SL6N6 |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB, HTS548080M9AT00) | 60GB A-1065-502-A ASSY HDD 60GB (-21) (L40) (S) | |
| LCD | 15.4 WXGA A-1072-741-A ASSY LCD(15.4WXGA)(H)(S) | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | |
| Opt.Drive | Super Multi/+DL 1-797-066-11 DVD+-RW(UJ-831BSX2-A) | Combo24 1-797-053-11 COMBO DRIVE(UJDA760) | | |
| W-LAN | b/g(intel) 1-761-864-23 WIRELESS LAN CARD | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | |
| TV Tuner (Port Replicator) | PRAV1 | None | | |
| Mouse | WMS5 1-796-824-32 MOUSE (SLV) | | | |

△[MA]

Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

5. Model name:VGN-A71PS(Japanese Area)

OS:Windows XP Pro
Ver.1.0

| | | | | |
|----------------------------|---|---|---|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Celeron-M 330 6-706-572-01 IC RH80535NC017512SL6N6 |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB,HTS548080M9AT00) | 60GB A-1065-502-A ASSY HDD 60GB (-21) (L40) (S) | |
| LCD | 17WUXGA A-1062-138-A LCD UNIT (2CFL-17WUXGA) (S) | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | |
| Opt.Drive | Super Multi+DL 1-797-066-11 DVD+RW(UJ-831BSX2-A) | Combo24 1-797-053-11 COMBO DRIVE(UJDA760) | | |
| W-LAN | a/b/g(Atheros) 1-761-891-12 WIRELESS LAN CARD | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | |
| TV Tuner (Port Replicator) | PRAV1 | None | | |
| Mouse | WMS5 1-796-824-32 MOUSE (SLV) | | | |

6. Model name:VGN-A71S(Japanese Area)

OS:Windows XP Home
Ver.1.0

| | | | | |
|----------------------------|--|---|---|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Celeron-M 330 6-706-572-01 IC RH80535NC017512SL6N6 |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB, HTS548080M9AT00) | 60GB A-1065-502-A ASSY HDD 60GB (-21) (L40) (S) | |
| LCD | 17WUXGA A-1062-138-A LCD UNIT (2CFL-17WUXGA) (S) | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | |
| Opt.Drive | Super Multi/+DL 1-797-066-11 DVD+-RW(UJ-831BSX2-A) | Combo24 1-797-053-11 COMBO DRIVE(UJDA760) | | |
| W-LAN | a/b/g(Atheros) 1-761-891-12 WIRELESS LAN CARD | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | |
| TV Tuner (Port Replicator) | PRAV1 | None | | |
| Mouse | WMS5 1-796-824-32 MOUSE (SLV) | | | |



Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

7. Model name:VGN-A230P(American Area)
OS:Windows XP Pro
Ver:1.0

| | | | | | | | |
|---------------------------|--|---|--|---|---|--|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GCO412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GCO332MSL7EN | Pentium-M 735 6-600-343-01 IC RH80536GCO2292MSL7EP | Pentium-M 725 6-600-355-01 IC RH80536GCO252MSL7EG | Pentium-M 715 6-600-368-01 IC RH80536GCO212MSL7GL | Celeron-M 330 6-706-572-01 IC RH80536GCO17512SL6N6 | Celeron-M 1.3 6-707-262-01 IC RH80536GCO131M |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB HTS548080MBAT00) | 80GB A-8067-943-A ASSY HDD 80GB (140) (S) | 80GB A-1065-502-A ASSY HDD 80GB (-21) (140) (S) | 40GB A-1083-186-A HDD (40GB HTS424040)(S) | | |
| LCD | 15.0 SXGA+ A-1062-139-A LCD UNIT (2CFL-15SXGA+-SH) | 15 XGA(AU) A-8115-791-A ASSY LCD 15XGA (AU) (S) | | | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 1024MB*1 6-706-244-01 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | 256MB*2 6-706-064-01x2 IC HY564D32020GDL-6-C | 256MB*1 6-706-064-01 IC HY564D32020GDL-6-C | |
| Opt.Drive | DVD+RW(U56A) 6-457-597-10 DRIVE DVD DW-U56A-VN | DVD+RW(U56A) 6-457-602-10 DRIVE DVD DW-U56A-VN | Combo24 6-797-053-11 COMBO DRIVE(UJA760) | | | | |
| W-LAN | b/g(intel) 1-761-864-14 WIRELESS LAN CARD | None | | | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | | | | |
| TV Tuner (Port Relicator) | PRAV1 | None | | | | | |
| Mouse | None | | | | | | |

8. Model name:VGN-A230(American Area)
OS:Windows XP Home
Ver:1.0

| | | | | | | | |
|---------------------------|--|---|--|---|---|--|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GCO412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GCO332MSL7EN | Pentium-M 735 6-600-343-01 IC RH80536GCO2292MSL7EP | Pentium-M 725 6-600-355-01 IC RH80536GCO252MSL7EG | Pentium-M 715 6-600-368-01 IC RH80536GCO212MSL7GL | Celeron-M 330 6-706-572-01 IC RH80536NC017512SL6N6 | Celeron-M 1.3 6-707-262-01 IC RH80536NC0131M |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB HTS548080MBAT00) | 80GB A-8067-943-A ASSY HDD 80GB (140) (S) | 80GB A-1065-502-A ASSY HDD 80GB (-21) (140) (S) | 40GB A-1083-186-A HDD (40GB HTS424040)(S) | | |
| LCD | 15.0 SXGA+ A-1062-139-A LCD UNIT (2CFL-15SXGA+-SH) | 15 XGA(AU) A-8115-791-A ASSY LCD 15XGA (AU) (S) | | | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 1024MB*1 6-706-244-01 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | 256MB*2 6-706-064-01x2 IC HY564D32020GDL-6-C | 256MB*1 6-706-064-01 IC HY564D32020GDL-6-C | |
| Opt.Drive | DVD+RW(D56A) 6-457-597-10 DRIVE DVD DW-D56A-VN | DVD+RW(U56A) 6-457-602-10 DRIVE DVD DW-U56A-VN | Combo24 6-797-053-11 COMBO DRIVE(UJA760) | | | | |
| W-LAN | b/g(intel) 1-761-864-14 WIRELESS LAN CARD | None | | | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | | | | |
| TV Tuner (Port Relicator) | PRAV1 | None | | | | | |
| Mouse | None | | | | | | |

9. Model name:VGN-A230B(American Area)
OS:Windows XP Pro SMB
Ver:1.0

| | | | | | | | |
|---------------------------|--|---|--|---|---|--|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GCO412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GCO332MSL7EN | Pentium-M 735 6-600-343-01 IC RH80536GCO2292MSL7EP | Pentium-M 725 6-600-355-01 IC RH80536GCO252MSL7EG | Pentium-M 715 6-600-368-01 IC RH80536GCO212MSL7GL | Celeron-M 330 6-706-572-01 IC RH80536NCO17512SL6N6 | Celeron-M 1.3 6-707-262-01 IC RH80536NCO131M |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB HTS48080MBAT00) | 80GB A-8067-943-A ASSY HDD 80GB (140) (S) | 80GB A-1065-502-A ASSY HDD 80GB (-21) (140) (S) | 40GB A-1083-186-A HDD (40GB HTS424040)(S) | | |
| LCD | 15.0 SXGA+ A-1062-139-A LCD UNIT (2CFL-15SXGA+-SH) | 15 XGA(AU) A-8115-791-A ASSY LCD 15XGA (AU) (S) | | | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 1024MB*1 6-706-244-01 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | 256MB*2 6-706-064-01x2 IC HY564D32020GDL-6-C | 256MB*1 6-706-064-01 IC HY564D32020GDL-6-C | |
| Opt.Drive | DVD+RW(U56A) 6-457-597-10 DRIVE DVD DW-U56A-VN | DVD+RW(U56A) 6-457-602-10 DRIVE DVD DW-U56A-VN | Combo24 6-797-053-11 COMBO DRIVE(UJA760) | | | | |
| W-LAN | b/g(intel) 1-761-864-14 WIRELESS LAN CARD | None | | | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | | | | |
| TV Tuner (Port Relicator) | PRAV1 | None | | | | | |
| Mouse | None | | | | | | |

VGN-A230

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Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

10. Model name:VGN-A240P(American Area)
OS:Windows XP Pro
Ver.1.0

| | | | | | | | |
|----------------------------|---|---|---|---|---|--|--|
| CPU | Pentium-M 755 6-600-359-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 735 6-600-343-01 IC RH80536GC0292MSL7EP | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Pentium-M 715 6-600-368-01 IC RH80536GC0212MSL7GL | Celeron-M 330 6-706-572-01 IC RH80539NC017512SL6N6 | Celeron-M 1.3 6-707-262-01 IC RH80539NC0131M |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB.HTS548080M9AT00) | 80GB A-8067-943-A ASSY HDD 80GB (1.40) (S) | 60GB A-1065-502-A ASSY HDD 60GB (-21) (1.40) (S) | 40GB A-1083-186-A HDD (40GB.HTS424040)(S) | | |
| LCD | 15.4 WXGA A-1072-741-A ASSY LCD(15.4WXGA)(H)(S) | | | | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 1024MB*1 6-706-244-01 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | 256MB*2 6-706-064-01x2 IC HYS64D332020GDL-6-C | 256MB*1 6-706-064-01 IC HYS64D332020GDL-6-C | |
| Opt.Drive | DVD+-RW(D56A) 8-457-597-10 DRIVE DVD DW-D56A-VN | DVD+-RW(D56A) 8-457-602-10 DRIVE DVD DW-U56A-VN | Combo24 1-797-053-11 COMBO DRIVE(UJDA780) | | | | |
| W-LAN | b/g(intel) 1-761-864-14 WIRELESS LAN CARD | None | | | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | | | | |
| TV Tuner (Port Releicator) | PRAV1 | None | | | | | |
| Mouse | WMS5 1-796-824-32 MOUSE (SLV) | | | | | | |

11. Model name:VGN-A240(American Area)
OS:Windows XP Home
Ver.1.0

| | | | | | | | |
|----------------------------|---|---|---|---|---|--|--|
| CPU | Pentium-M 755 6-600-359-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 735 6-600-343-01 IC RH80536GC0292MSL7EP | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Pentium-M 715 6-600-368-01 IC RH80536GC0212MSL7GL | Celeron-M 330 6-706-572-01 IC RH80539NC017512SL6N6 | Celeron-M 1.3 6-707-262-01 IC RH80539NC0131M |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB.HTS548080M9AT00) | 80GB A-8067-943-A ASSY HDD 80GB (1.40) (S) | 60GB A-1065-502-A ASSY HDD 60GB (-21) (1.40) (S) | 40GB A-1083-186-A HDD (40GB.HTS424040)(S) | | |
| LCD | 15.4 WXGA A-1072-741-A ASSY LCD(15.4WXGA)(H)(S) | | | | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 1024MB*1 6-706-244-01 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | 256MB*2 6-706-064-01x2 IC HYS64D332020GDL-6-C | 256MB*1 6-706-064-01 IC HYS64D332020GDL-6-C | |
| Opt.Drive | DVD+-RW(D56A) 8-457-597-10 DRIVE DVD DW-D56A-VN | DVD+-RW(D56A) 8-457-602-10 DRIVE DVD DW-U56A-VN | Combo24 1-797-053-11 COMBO DRIVE(UJDA780) | | | | |
| W-LAN | b/g(intel) 1-761-864-14 WIRELESS LAN CARD | None | | | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | | | | |
| TV Tuner (Port Releicator) | PRAV1 | None | | | | | |
| Mouse | WMS5 1-796-824-32 MOUSE (SLV) | | | | | | |

12. Model name:VGN-A240B(American Area)
OS:Windows XP Pro SMB
Ver.1.0

| | | | | | | | |
|----------------------------|---|---|---|---|---|--|--|
| CPU | Pentium-M 755 6-600-359-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 735 6-600-343-01 IC RH80536GC0292MSL7EP | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Pentium-M 715 6-600-368-01 IC RH80536GC0212MSL7GL | Celeron-M 330 6-706-572-01 IC RH80539NC017512SL6N6 | Celeron-M 1.3 6-707-262-01 IC RH80539NC0131M |
| HDD | 100GB A-1083-188-A HDD (MHU2100AT-100GB) | 80GB A-1062-140-A HDD (80GB.HTS548080M9AT00) | 80GB A-8067-943-A ASSY HDD 80GB (1.40) (S) | 60GB A-1065-502-A ASSY HDD 60GB (-21) (1.40) (S) | 40GB A-1083-186-A HDD (40GB.HTS424040)(S) | | |
| LCD | 15.4 WXGA A-1072-741-A ASSY LCD(15.4WXGA)(H)(S) | | | | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 1024MB*1 6-706-244-01 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | 256MB*2 6-706-064-01x2 IC HYS64D332020GDL-6-C | 256MB*1 6-706-064-01 IC HYS64D332020GDL-6-C | |
| Opt.Drive | DVD+-RW(D56A) 8-457-597-10 DRIVE DVD DW-D56A-VN | DVD+-RW(D56A) 8-457-602-10 DRIVE DVD DW-U56A-VN | Combo24 1-797-053-11 COMBO DRIVE(UJDA780) | | | | |
| W-LAN | b/g(intel) 1-761-864-14 WIRELESS LAN CARD | None | | | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | | | | |
| TV Tuner (Port Releicator) | PRAV1 | None | | | | | |
| Mouse | WMS5 1-796-824-32 MOUSE (SLV) | | | | | | |



Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

13. Model name:VGN-A270P(American Area)
OS:Windows XP Pro
Ver.1.0

| | | | | | | | |
|----------------------------|---|---|---|---|---|--|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 735 6-600-343-01 IC RH80536GC0282MSL7EP | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Pentium-M 715 6-600-368-01 IC RH80536GC0212MSL7GL | Celeron-M 330 6-706-572-01 IC RH80536NC017512SL6N6 | Celeron-M 1.3 6-707-262-01 IC RH80536NC0131M |
| HDD | 100GB A-1083-188-A HDD (MHUJ2100AT-100GB) | 80GB A-1062-140-A HDD (80GB HTS548080M9AT00) | 80GB A-1067-943-A ASSY HDD 80GB (I,40) (S) | 80GB A-1065-502-A ASSY HDD 80GB (-21) (I,40) (S) | 40GB A-1083-186-A HDD (40GB HTS424040)(S) | | |
| LCD | 17WXGA A-1062-138-A LCD UNIT (2CFL-17WXGA) (S) | 17WXGA+ A-1087-141-A LCD UNIT(17WXGA)(S) | | | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 1024MB*1 6-706-244-01 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | 256MB*2 6-706-064-01x2 IC HYS64D32020GDL-6-C | 256MB*1 6-706-064-01 IC HYS64D32020GDL-6-C | |
| Opt.Drive | DVD+-RW(D56A) 6-457-597-10 DRIVE DVD DW-D56A-VN | DVD+-RW(D56A) 6-457-602-10 DRIVE DVD DW-U56A-VN | Combo24 1-797-053-11 COMBO DRIVE(UJDA760) | | | | |
| W-LAN | b/g(Intel) 1-761-864-14 WIRELESS LAN CARD | | | | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | | | | |
| TV Tuner (Port Releicator) | PRAV1 | None | | | | | |
| Mouse | WM55 1-796-824-32 MOUSE (SLV) | None | | | | | |

14. Model name:VGN-A270(American Area)
OS:Windows XP Home
Ver.1.0

| | | | | | | | |
|----------------------------|---|---|---|---|---|--|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 735 6-600-343-01 IC RH80536GC0282MSL7EP | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Pentium-M 715 6-600-368-01 IC RH80536GC0212MSL7GL | Celeron-M 330 6-706-572-01 IC RH80536NC017512SL6N6 | Celeron-M 1.3 6-707-262-01 IC RH80536NC0131M |
| HDD | 100GB A-1083-188-A HDD (MHUJ2100AT-100GB) | 80GB A-1062-140-A HDD (80GB HTS548080M9AT00) | 80GB A-1067-943-A ASSY HDD 80GB (I,40) (S) | 80GB A-1065-502-A ASSY HDD 80GB (-21) (I,40) (S) | 40GB A-1083-186-A HDD (40GB HTS424040)(S) | | |
| LCD | 17WXGA A-1062-138-A LCD UNIT (2CFL-17WXGA) (S) | 17WXGA+ A-1087-141-A LCD UNIT(17WXGA)(S) | | | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 1024MB*1 6-706-244-01 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | 256MB*2 6-706-064-01x2 IC HYS64D32020GDL-6-C | 256MB*1 6-706-064-01 IC HYS64D32020GDL-6-C | |
| Opt.Drive | DVD+-RW(D56A) 6-457-597-10 DRIVE DVD DW-D56A-VN | DVD+-RW(U56A) 6-457-602-10 DRIVE DVD DW-U56A-VN | Combo24 1-797-053-11 COMBO DRIVE(UJDA760) | | | | |
| W-LAN | b/g(Intel) 1-761-864-14 WIRELESS LAN CARD | | | | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | | | | |
| TV Tuner (Port Releicator) | PRAV1 | None | | | | | |
| Mouse | WM55 1-796-824-32 MOUSE (SLV) | None | | | | | |

15. Model name:VGN-A270B(American Area)
OS:Windows XP Pro SMB
Ver.1.0

| | | | | | | | |
|----------------------------|---|---|---|---|---|--|--|
| CPU | Pentium-M 755 6-706-559-01 IC RH80536GC0412MSL7EM | Pentium-M 745 6-600-306-01 IC RH80536GC0332MSL7EN | Pentium-M 735 6-600-343-01 IC RH80536GC0282MSL7EP | Pentium-M 725 6-600-355-01 IC RH80536GC0252MSL7EG | Pentium-M 715 6-600-368-01 IC RH80536GC0212MSL7GL | Celeron-M 330 6-706-572-01 IC RH80536NC017512SL6N6 | Celeron-M 1.3 6-707-262-01 IC RH80536NC0131M |
| HDD | 100GB A-1083-188-A HDD (MHUJ2100AT-100GB) | 80GB A-1062-140-A HDD (80GB HTS548080M9AT00) | 80GB A-1067-943-A ASSY HDD 80GB (I,40) (S) | 80GB A-1065-502-A ASSY HDD 80GB (-21) (I,40) (S) | 40GB A-1083-186-A HDD(40GB HTS424040) (S) | | |
| LCD | 17WXGA A-1062-138-A LCD UNIT (2CFL-17WXGA) (S) | 17WXGA+ A-1087-141-A LCD UNIT(17WXGA)(S) | | | | | |
| Memory | 1024MB*2 6-706-244-01x2 IC EBD11UD8ADDA-6B | 1024MB*1 6-706-244-01 IC EBD11UD8ADDA-6B | 512MB*2 6-706-337-01x2 IC M470L6524BT0-CB3 | 512MB*1 6-706-337-01 IC M470L6524BT0-CB3 | 256MB*2 6-706-064-01x2 IC HYS64D32020GDL-6-C | 256MB*1 6-706-064-01 IC HYS64D32020GDL-6-C | |
| Opt.Drive | DVD+-RW(D56A) 6-457-597-10 DRIVE DVD DW-D56A-VN | DVD+-RW(U56A) 6-457-602-10 DRIVE DVD DW-U56A-VN | Combo24 1-797-053-11 COMBO DRIVE(UJDA760) | | | | |
| W-LAN | b/g(Intel) 1-761-864-14 WIRELESS LAN CARD | None | | | | | |
| Memory Card Adapter | MCA10 1-478-615-11 MEMORY CARD ADAPTER | | | | | | |
| TV Tuner (Port Releicator) | PRAV1 | None | | | | | |
| Mouse | WM55 1-796-824-32 MOUSE (SLV) | None | | | | | |

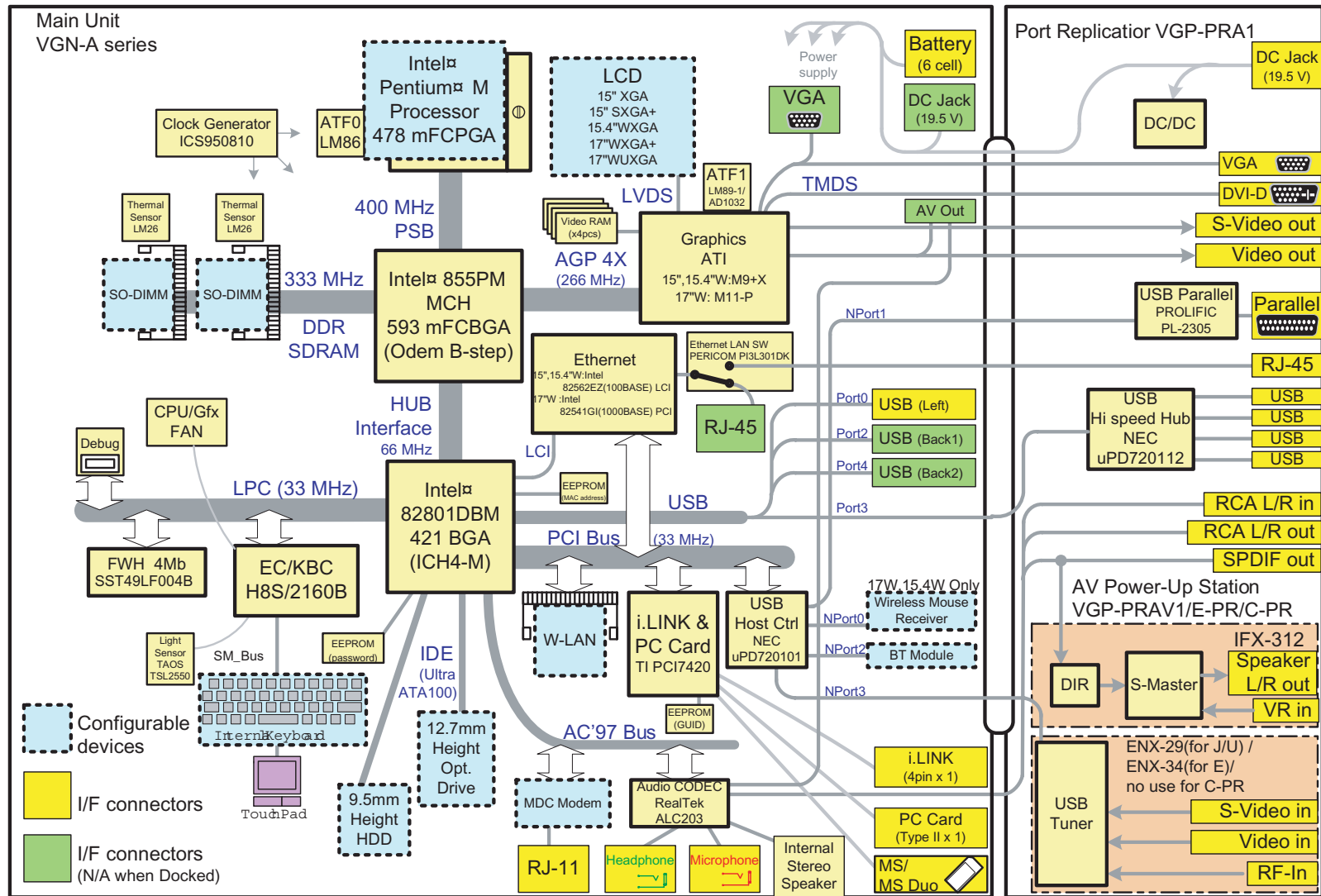


Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

CHAPTER 2. BLOCK DIAGRAM

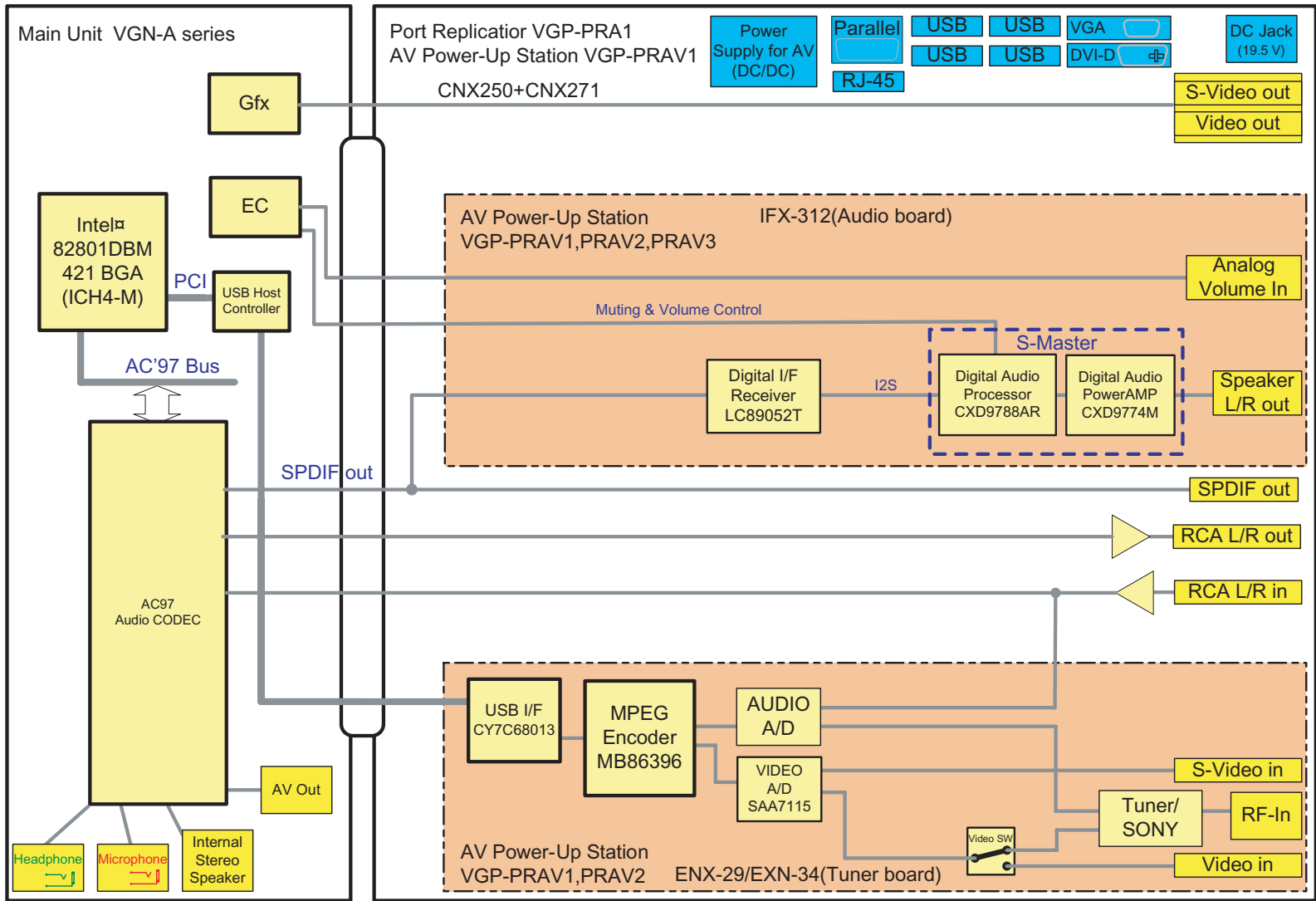
2-1. VGN-A series



Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

2-2. Port Replicator (VGP-PRAV)

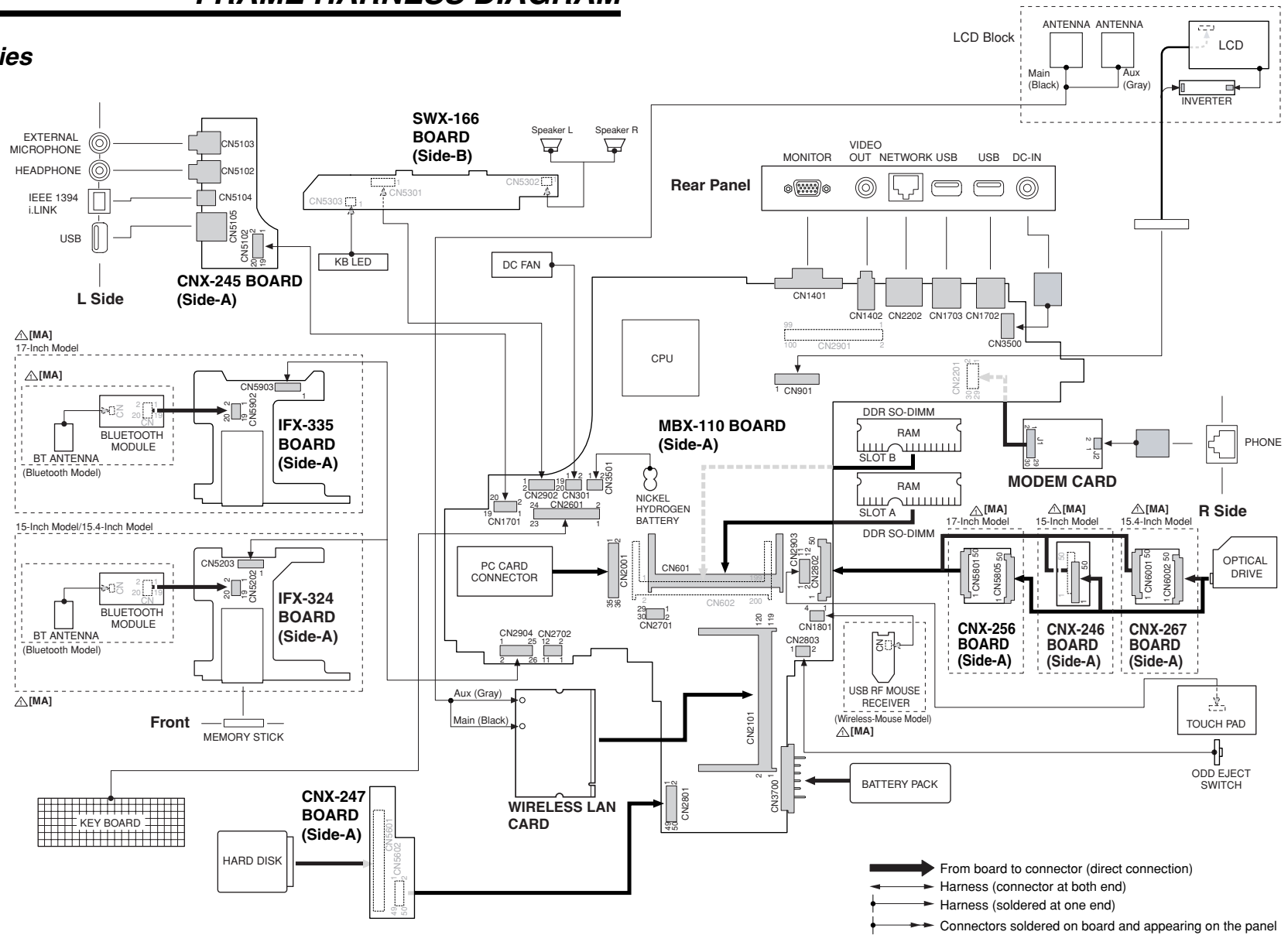


Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

CHAPTER 3. FRAME HARNESS DIAGRAM

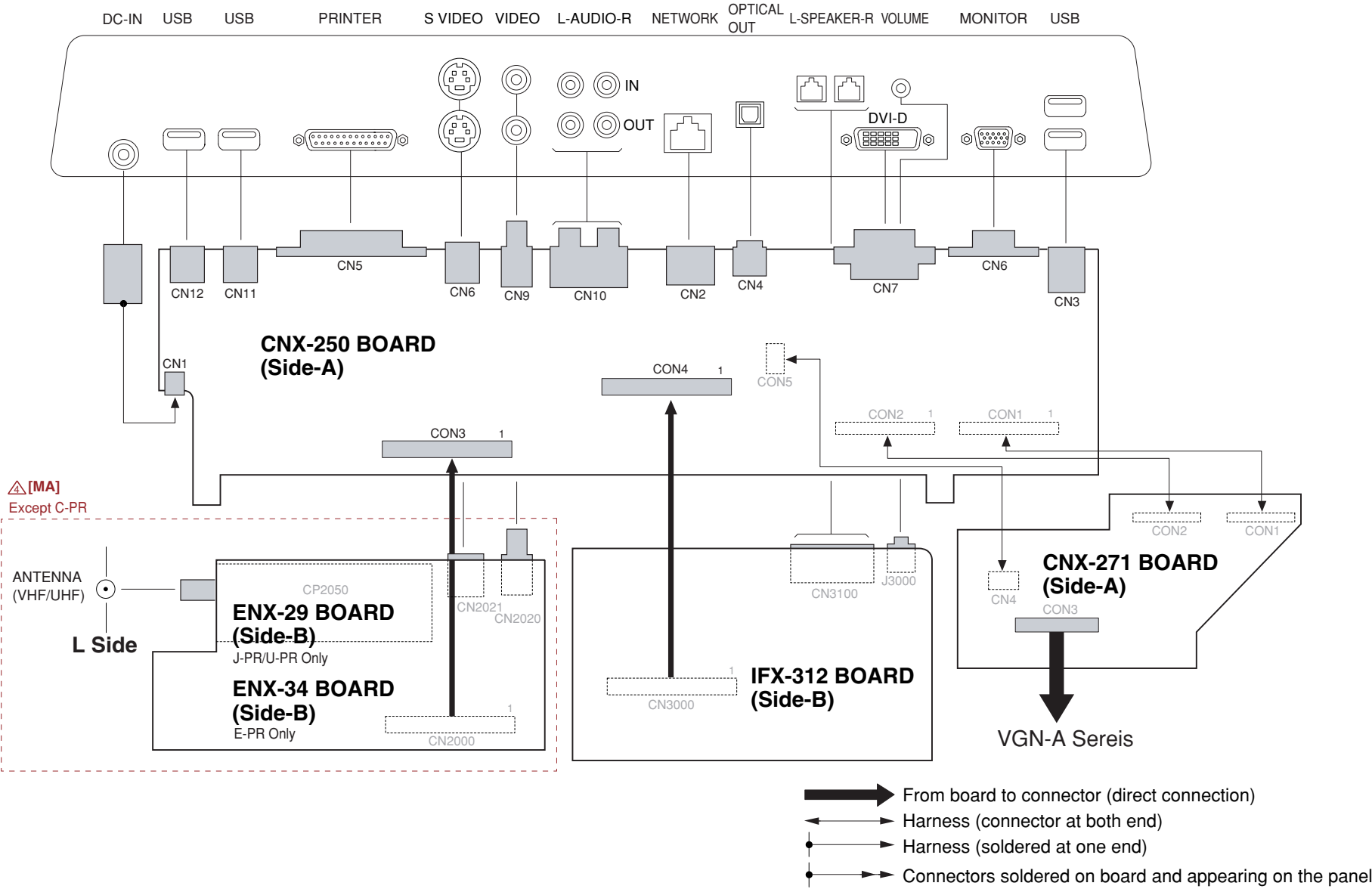
3-1. VGN-A series



Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

3-2. Port Replicator (VGP-PRAV)



Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

CHAPTER 4.

EXPLODED VIEWS AND PARTS LIST

• The parts list is compiled by blocks of a palmrest and bottom etc. The sections of the parts list are different depending on the model. Please refer to list of contents shown in the below.

Section Page

Palmrest

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| P-1. Palmrest (17-inch Model) | 4-2 |
| △[MA] P-2. Palmrest (15-inch Model) | 4-4 |
| P-3. Palmrest (15.4-inch Model) | 4-6 |

Main Board

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| M-1. Main Board (17-inch Model) | 4-8 |
| △[MA] M-2. Main Board (15-inch Model) | 4-10 |
| M-3. Main Board (15.4-inch Model) | 4-12 |

Bottom

| | |
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| B-1. Bottom (17-inch Model) | 4-14 |
| △[MA] B-2. Bottom (15-inch Model) | 4-16 |
| B-3. Bottom (15.4-inch Model) | 4-18 |

Optical Drive

| | |
|--------------------------|------|
| D-1. Optical Drive | 4-20 |
|--------------------------|------|

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - The mechanical parts with no reference number in the exploded views are not supplied.
 - When two or more parts are shown, use the part described first as the main part.
 - The parts marked " \$ " are the High Value Modules (HVM).
 - The parts marked " # " are the parts on which barcode label is attached.
 - For the barcode label, refer to CHAPTER 5.
 - The parts marked " & " are the "Customer Replacable Parts (CRP)" that can be replaced by Field Customer Support. Especially the parts with the <&> mark require the special attention to use them. Here fore, check first whether the desired part is one of the targetted parts of the Customer Replacable Parts(CRP), or the non-targetted parts by referring to the exploded view.
 - Regarding the boards of this model, the discrete parts on the boards cannot be replaced. However, Some connectors can be replaced.
 - The model that is accompanied by asterisk (*) is the CTO model.
- For the equipment configuration, refer to the CTO Information.

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• 分解図と部品表は、パームレスト、ボトムなどのブロックごとに分かれています。機種によって部品表のセクションが異なりますので、詳細は右下の一覧表を参照してください。

Section Page

LCD

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| L-1. LCD 17-inch WUXGA (Clear Black LCD) | |
| – Made by SH- | 4-22 |
| L-2. LCD 17-inch WXGA+ (Clear Black LCD) | |
| – Made by AU- | 4-24 |
| L-3. LCD 15-inch SXGA+ (Clear Black LCD) | |
| – Made by SH- | 4-26 |
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| – Made by AU- | 4-28 |
| L-5. LCD 15.4-inch WXGA (Clear Black LCD) | |
| – Made by HI- | 4-30 |

Accessories

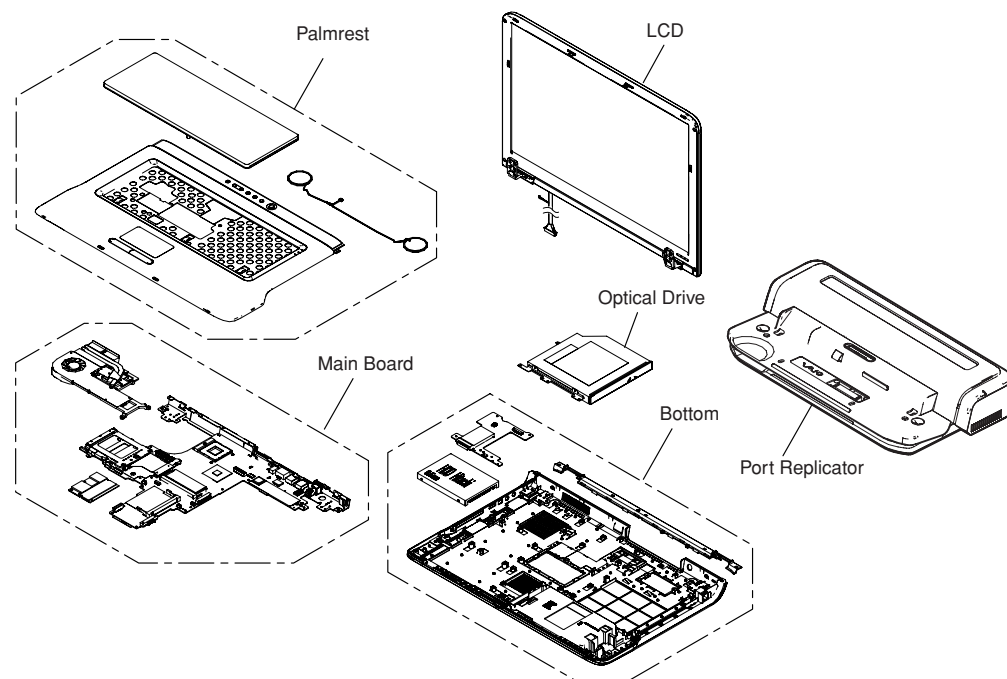
| | |
|------------------------|------|
| A-1. Accessories | 4-32 |
| A-2. Accessories | 4-33 |

| | |
|------------------|------|
| DIP Switch | 4-35 |
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【使用上の注意】

- * 印の部品は常備在庫しておりません。
- 図面番号のない部品は供給しません。
- 併記部品の場合、上部記載部品をメイン部品として使用してください。
- 部品名称の前に \$ 印のついた部品は、High Value Module (HVM)です。
- 商品名称の前に # 印のついた部品は、バーコードラベル貼付部品です。
- バーコードラベルについてはCHAPTER5を参照してください。
- 部品名称の前に & 印のついた部品は、お客様窓口などでも交換可能な Customer Replacable Parts (CRP)です。
- 特に<&>印のついた部品は、使い分けが必要な部品ですので、分解図で Customer Replacable Parts 対象部品か、対象外部部品かを必ず御確認ください。
- 本モデルの基板については、基板上の各部品の修理は行うことができません。ただし、一部のコネクタについては、修理可能です。
- 機種名に (*) がつくのは CTO モデルです。
- 組み合わせについては、CTO Informationを御確認ください。

△ 印の部品、または △ 印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。従って交換時は、必ず指定の部品を使用してください。



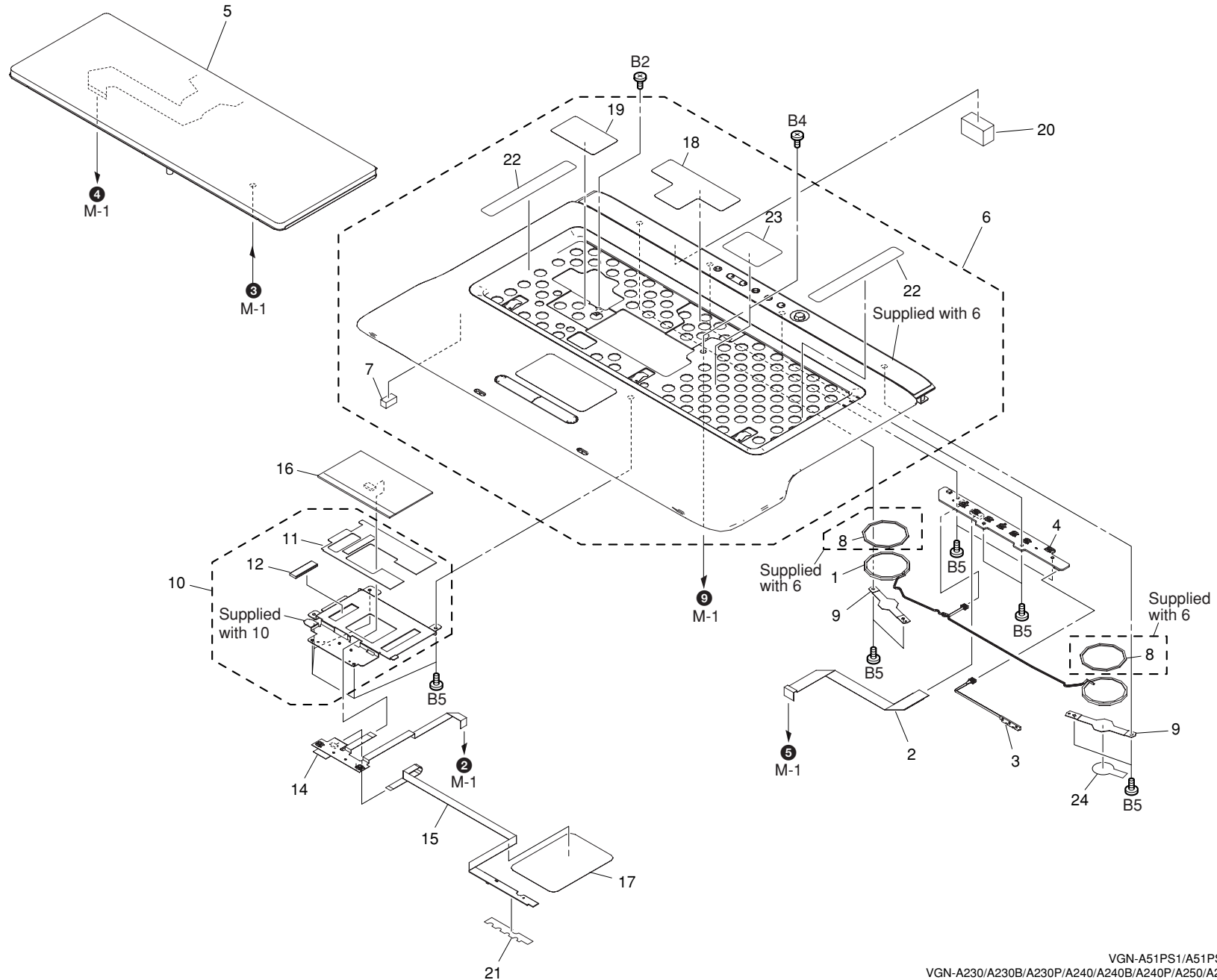
| | | Palmrest | Main Board | Bottom | Optical Drive | LCD | Accessories | Port Replicator | |
|-----|---------|----------|------------|--------|---------------|---------|-------------|-----------------|-------|
| J | A51PS1* | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | A-2 (J-PR) | △[MA] |
| | A51S1* | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | A-2 (J-PR) | |
| | A51PS2* | P-2 | M-2 | B-2 | D-1 | L-3 | A-1 | A-2 (J-PR) | |
| | A51S2* | P-2 | M-2 | B-2 | D-1 | L-3 | A-1 | A-2 (J-PR) | |
| | A61B | P-1 | M-1 | B-1 | D-1 | L-1,L-2 | A-1 | A-2 (J-PR) | |
| | A71PS* | P-1 | M-1 | B-1 | D-1 | L-1,L-2 | A-1 | A-2 (J-PR) | |
| A M | A71S* | P-1 | M-1 | B-1 | D-1 | L-1,L-2 | A-1 | A-2 (U-PR) | △[MA] |
| | A230* | P-2 | M-2 | B-2 | D-1 | L-3,L-4 | A-1 | A-2 (U-PR) | |
| | A230B* | P-2 | M-2 | B-2 | D-1 | L-3,L-4 | A-1 | A-2 (U-PR) | |
| | A230P* | P-2 | M-2 | B-2 | D-1 | L-3,L-4 | A-1 | A-2 (U-PR) | |
| | A240* | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | A-2 (U-PR) | |
| | A240B* | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | A-2 (U-PR) | |
| | A240P* | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | A-2 (U-PR) | |
| | A250 | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | | |
| | A260 | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | A-2 (U-PR) | |
| | A270* | P-1 | M-1 | B-1 | D-1 | L-1,L-2 | A-1 | A-2 (U-PR) | |
| EU | A270B* | P-1 | M-1 | B-1 | D-1 | L-1,L-2 | A-1 | A-2 (U-PR) | △[MA] |
| | A270P* | P-1 | M-1 | B-1 | D-1 | L-1,L-2 | A-1 | A-2 (U-PR) | |
| | A290 | P-1 | M-1 | B-1 | D-1 | L-1 | A-1 | A-2 (U-PR) | |
| | A290F | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | | |
| | A215M | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | | |
| | A215Z | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | | |
| | A217M | P-1 | M-1 | B-1 | D-1 | L-2 | A-1 | | |
| AO | A217S | P-1 | M-1 | B-1 | D-1 | L-2 | A-1 | A-2 (E-PR) | △[MA] |
| | A295HP | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | | |
| | A297XP | P-1 | M-1 | B-1 | D-1 | L-1 | A-1 | | |
| | A29GP | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | | |
| | A29SP | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | | |
| AO | A29LP | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | | △[MA] |
| | A21C | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | | |
| | A23CP | P-2 | M-2 | B-2 | D-1 | L-4 | A-1 | | |
| | A29CP | P-1 | M-1 | B-1 | D-1 | L-1 | A-1 | A-2 (C-PR) | |
| | A29TP | P-3 | M-3 | B-3 | D-1 | L-5 | A-1 | | |

* : CTO Model

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

P-1. Palmrest (17-inch Model)



Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

P-1. Palmrest (17-inch Model)

| Ref.No. | Part No. | Description |
|---------|-----------------|--------------------------------|
| 1 | A-1067-956-A | ASSY SPEAKER |
| 2 | A-1058-413-A | CABLE(20P), FLEXIBLE FLAT |
| 3 | A-1058-417-A | CABLE, KB LED |
| 4 | A-8068-824-A \$ | COMPLETE PWB SWX-166 |
| 6 | X-4626-655-2 | SE1P PALMREST ASSY |
| 7 | 4-682-423-01 | SE1 SPONGE BT |
| 8 | 2-159-644-01 | SE1P SHEET SPEAKER RING |
| 9 | 4-682-556-01 | SE1P SPEAKER BRACKET |
| 10 | X-4626-657-1 | SE1P TP BKT ASSY |
| 11 | 4-682-560-01 | TOUTCHPAD SHEET |
| 12 | 2-103-688-01 | SE1P TOUCHPAD GASKET |
| 14 | A-1058-427-A | PWB(12P),FLEXIBLE PRINT |
| 15 | A-1058-428-A | PWB(10P),FLEXIBLE PRINT |
| 16 | 1-796-911-12 | WIDE TOUCH PAD |
| 17 | 2-103-691-01 | SE1P BATT MASK MYLAR A |
| 18 | 2-103-689-01 | SE1P KEYBOARD BRACKET MYLAR A |
| 19 | 2-103-690-01 | SE1P KEYBOARD BRACKET MYLAR B |
| 20 | 2-103-692-01 | SE1P PALMREST GASKET |
| 21 | 2-159-642-01 | SE1P LED PORON |
| 22 | 2-159-643-01 | SE1P KEYBOARD SUPPORT MYLAR |
| 23 | 2-159-977-01 | SE1P KEYBOARD SUPPORT MYLAR B |
| 24 | 2-548-305-01 | SE1 MYLAR SPEAKER BKT |
| B2 | 4-672-836-21 | SCREW, M2 SPECIAL HEAD,EG GRIP |
| B4 | 2-048-596-02 | SCREW, +B EG GRIP |
| B5 | 4-672-836-11 | SCREW, M2 SPECIAL HEAD,EG GRIP |



| | | | J | | | AM | | | | EU | | | AO |
|------|--------|--------------|-------------|--------|-------|------|-------|--------|--------|--------|-------|-------|-------|
| | | | A61B | A71PS* | A71S* | A290 | A270* | A270B* | A270P* | A297XP | A217S | A217M | A29CP |
| [MA] | Ref.No | Part No. | Description | | | | | | | | | | |
| | 5 | 1-478-650-11 | ● | ● | ● | | | | | | | | |
| | | 1-478-650-21 | | | | ● | ● | ● | ● | | | | ● |
| [MA] | | 1-478-640-11 | | | | | | | | ● | ● | ● | |
| [MA] | | 1-478-640-21 | | | | | | | | ● | ● | ● | |
| [MA] | | 1-478-640-31 | | | | | | | | ● | ● | ● | |
| [MA] | | 1-478-640-41 | | | | | | | | ● | ● | ● | |
| [MA] | | 1-478-640-51 | | | | | | | | ● | ● | ● | |
| [MA] | | 1-478-640-61 | | | | | | | | ● | ● | ● | |
| [MA] | | 1-478-640-71 | | | | | | | | ● | | | |
| [MA] | | 1-478-640-81 | | | | | | | | ● | | | |

• This parts list contains two different types of parts.
The first type is the parts that are common to all models.

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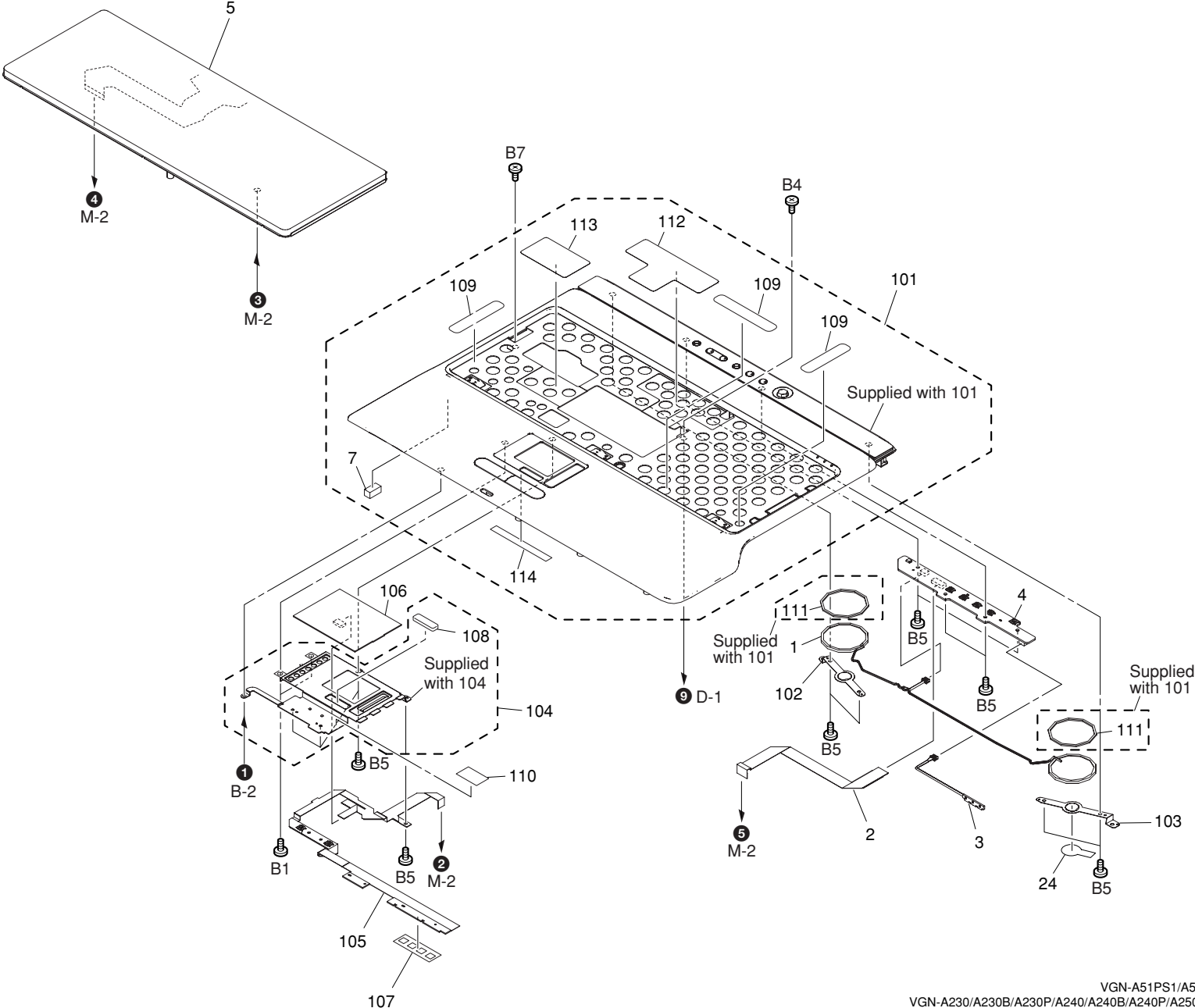
- This parts list contains two different types of parts.
The first type is the parts that are common to all models.
The other type is the parts that are different depending on each model.
- This model that is accompanied by asterisk (*) is the CTO model.

- この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。
- 機種名に(*)がつくのは CTO モデルです。

Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

P-2. Palmrest (15-inch Model)



△[MA]

Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

P-2. Palmrest (15-inch Model)

| Ref.No. | Part No. | Description |
|---------|-----------------|--------------------------------|
| 1 | A-1067-956-A | ASSY SPEAKER |
| 2 | A-1058-413-A | CABLE(20P), FLEXIBLE FLAT |
| 3 | A-1058-417-A | CABLE, KB LED |
| 4 | A-8068-824-A \$ | COMPLETE PWB SWX-166 |
| 7 | 4-682-423-01 | SE1 SPONGE BT |
| 24 | 2-548-305-01 | SE1 MYLAR SPEAKER BKT |
| 101 | X-4626-648-1 | SE1 15S PALM SUB ASSY |
| 102 | 4-682-425-01 | SE1 BRACKET SPEAKER L |
| 103 | 4-682-424-01 | SE1 BRACKET SPEAKER R |
| 104 | X-4626-724-1 | SE1 TOUCHPAD BRACKET ASSY |
| 105 | A-1058-423-A | PWB(12P),FLEXIBLE PRINT |
| 106 | 1-796-319-72 | PAD, TOUCH |
| 107 | 2-103-455-01 | SE1 TOUCHPAD FPC PORON |
| 108 | 2-103-022-01 | SE1 KEYBOARD BRACKET GASKET |
| 109 | 2-159-976-01 | SE1 MAYLAR KEYBOARD |
| 110 | 2-159-786-01 | SE1 MYLAR TOUCH-PAD FPC |
| 111 | 4-682-941-01 | SE1 RING GLUE |
| 112 | 2-103-453-01 | SE1 MYLAR KEYBOARD BRACKET U |
| 113 | 2-103-454-01 | SE1 MYLAR KEYBOARD BRACKET L |
| 114 | 2-176-528-01 | SE1 TOUCHPAD TAPE |
| B1 | 4-672-836-01 | SCREW,M2 SPECIAL HEAD EG GRIP |
| B4 | 2-048-596-02 | SCREW, +B EG GRIP |
| B5 | 4-672-836-11 | SCREW, M2 SPECIAL HEAD,EG GRIP |
| B7 | 4-644-637-21 | GRIP, M2 EG |



[MA]

| | | | J | | AM | | AO |
|---------|--------------|--------------------|---------|--------|-------|--------|--------|
| | | | A51PS2* | A51S2* | A230* | A230B* | A230P* |
| | | | | | | | A23CP |
| Ref.No. | Part No. | Description | | | | | |
| 5 | 1-478-650-11 | KEYBOARD UNIT (JP) | ● | ● | | | |
| | 1-478-650-21 | KEYBOARD UNIT (US) | | | ● | ● | ● |



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[MA]

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- 機種名に(*)がつくのは CTO モデルです。

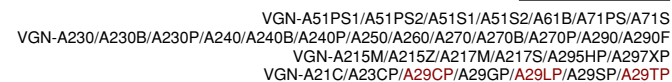


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Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

Confidential



P-3. Palmrest (15.4-inch Model)

Ref.No. Part No. Description

| | | |
|-----|-----------------|---------------------------------|
| 1 | A-1067-956-A | SE/SE+ SPEAKER SET |
| 2 | A-1058-413-A | CABLE(20P), FLEXIBLE FLAT |
| 3 | A-1058-417-A | CABLE, KB LED |
| 4 | A-8068-824-A \$ | COMPLETE PWB SWX-166 |
| 7 | 4-682-423-01 | SE1 SPONGE BT |
| 8 | 2-159-644-01 | SE1P SHEET SPEAKER RING |
| 9 | 4-682-556-01 | SE1P SPEAKER BRACKET |
| 18 | 2-103-689-01 | SE1P KEYBOARD BRACKET MYLAR A |
| 19 | 2-103-690-01 | SE1P KEYBOARD BRACKET MYLAR B |
| 24 | 2-548-305-01 | SE1 MYLAR SPEAKER BKT |
| 106 | 1-796-319-72 | PAD, TOUCH |
| 109 | 2-159-976-01 | SE1 MYLAR KEYBOARD |
| 201 | X-2021-746-1 | SEM PALM SUB ASSY |
| 202 | X-2021-752-1 | SEM TOUCHPAD BRACKET ASSY |
| 203 | 4-676-956-01 | GASKET T/P CONTACT |
| 204 | A-1067-142-A | TP(M), FLEXIBLE PRINT |
| 205 | 2-050-875-01 | SEM T/P HOOK |
| 550 | 2-159-787-01 | SE1 SPONGE LENS |
| B1 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD, EG GRIP |
| B5 | 4-672-836-11 | SCREW, M2 SPECIAL HEAD, EG GRIP |
| B7 | 4-644-637-21 | GRIP M2 EG |



[MA]



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[MA]

| | | | J | | AM | | | | | | EU | | | AO | | | | |
|---------|--------------|--------------------|---------|--------|------|------|-------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|------|
| | | | A51PS1* | A51S1* | A260 | A250 | A240* | A240B* | A240P* | A290F | A295HP | A215M | A215Z | A29GP | A29SP | A29LP | A29TP | A21C |
| Ref.No. | Part No. | Description | | | | | | | | | | | | | | | | |
| 5 | 1-478-650-11 | KEYBOARD UNIT (JP) | ● | ● | | | | | | | | | | | | | | |
| | 1-478-650-21 | KEYBOARD UNIT (US) | | | ● | ● | ● | ● | ● | | | | ● | | | | | ● |
| | 1-478-650-31 | KEYBOARD UNIT (LA) | | | | | | | | | | | | | | | | |
| | 1-478-650-41 | KEYBOARD UNIT (KR) | | | | | | | ● | | | | | | | ● | | |
| | 1-478-650-51 | KEYBOARD UNIT (TH) | | | | | | | | | | | | ● | | | | |
| | 1-478-650-61 | KEYBOARD UNIT (TW) | | | | | | | | | | | | | | | ● | |
| | 1-478-640-11 | KEYBOARD UNIT (GB) | | | | | | | | ● | ● | ● | | | | | | |
| | 1-478-640-21 | KEYBOARD UNIT (DE) | | | | | | | | ● | ● | ● | ● | | | | | |
| | 1-478-640-31 | KEYBOARD UNIT (CH) | | | | | | | | ● | ● | ● | | | | | | |
| | 1-478-640-41 | KEYBOARD UNIT (FR) | | | | | | | | ● | ● | ● | | | | | | |
| | 1-478-640-51 | KEYBOARD UNIT (IT) | | | | | | | | ● | ● | ● | ● | | | | | |
| | 1-478-640-61 | KEYBOARD UNIT (ES) | | | | | | | | ● | ● | ● | | | | | | |
| | 1-478-640-71 | KEYBOARD UNIT (SE) | | | | | | | | ● | ● | ● | | | | | | |
| | 1-478-640-81 | KEYBOARD UNIT (PT) | | | | | | | | ● | | | | | | | | |



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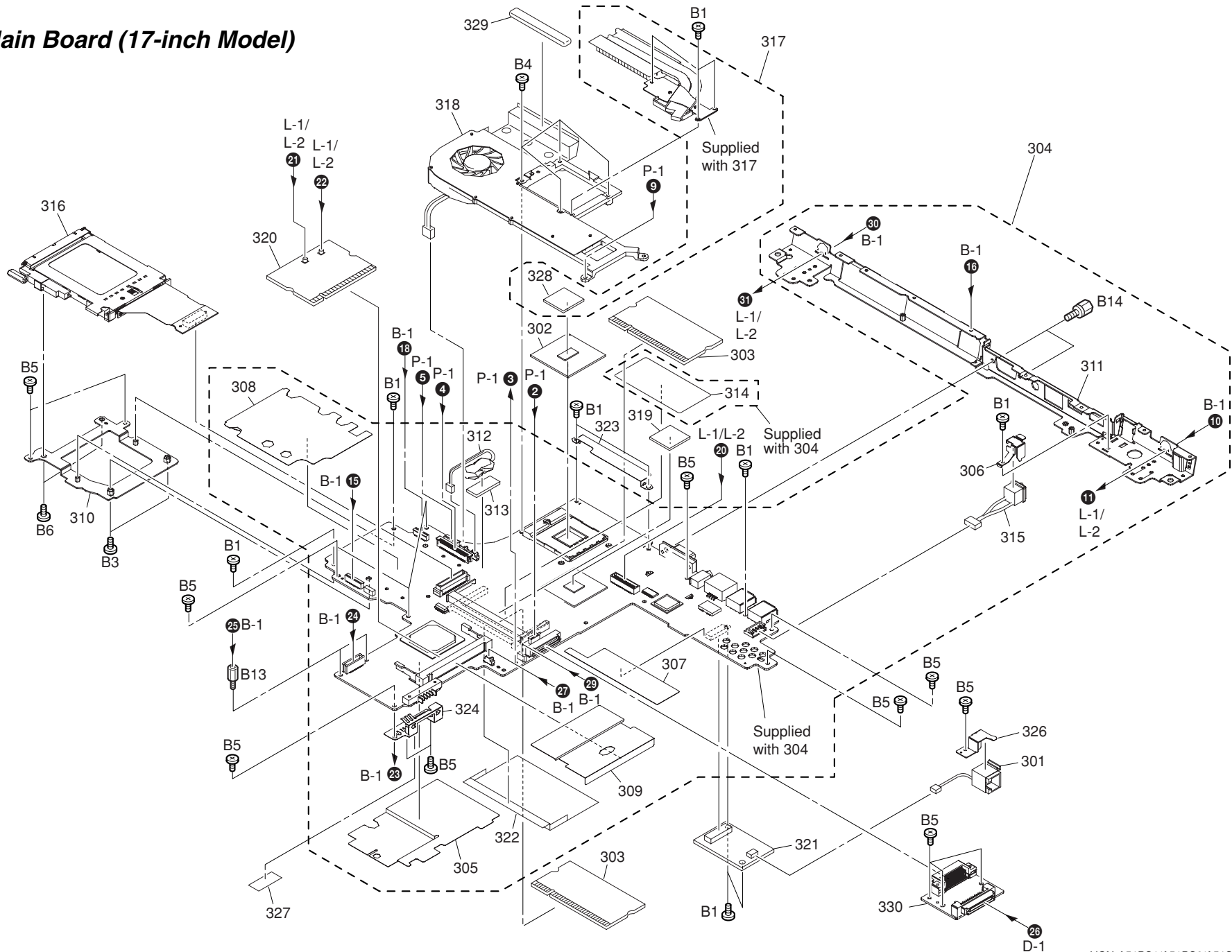
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- 機種名に(*)がつくのは CTO モデルです。

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Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

M-1. Main Board (17-inch Model)



Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

M-1. Main Board (17-inch Model)

| Ref.No. | Part No. | Description | | | | J | AM | EU | AO | | | | | | | |
|---------|-------------------|--------------------------------|---|------|---|------|--------|-------|------|-------|--------|--------|--------|-------|-------|-------|
| | | | | | | A61B | A71PS* | A71S* | A290 | A270* | A270B* | A270P* | A297XP | A217S | A217M | A29CP |
| 301 | A-1058-426-A | CABLE, RJ11 | | | | | | | | | | | | | | |
| 304 | A-1083-174-A \$ # | COMPLETE PWB MBX-110 SE+ | | | | | | | | | | | | | | |
| 305 | 4-682-945-01 | SE1 2ND FAN MYLAR | | | | | | | | | | | | | | |
| 306 | X-2022-962-2 | SE1 DC JACK HOLDER ASSY | | | | | | | | | | | | | | |
| 307 | 4-682-478-01 | SE1 ODD INSULATOR | | | | | | | | | | | | | | |
| | | | △ | [MA] | Ref.No. Part No. Description | | | | | | | | | | | |
| | | | △ | [MA] | 302 6-706-559-01 IC RH80536GC0412MSL7EM(P-M2.0) | ● | ● | ● | | ● | ● | ● | | | | ● |
| | | | | | 6-600-306-01 IC RH80536GC0332MSL7EN(P-M1.8) | | ● | ● | | ● | ● | ● | ● | | | |
| 308 | 4-682-942-01 | SE1 PCMCIA MYLAR | | | 6-600-343-01 IC RH80536GC0292MSL7EP(P-M1.7) | | | | ● | ● | ● | ● | | ● | | |
| 309 | 4-682-475-01 | SE1 SHEET MINI-PCI | △ | [MA] | 6-600-355-01 IC RH80536GC0252MSL7EG(P-M1.6) | | ● | ● | | ● | ● | ● | | | ● | |
| 310 | 4-682-569-01 | SE1P CARD BOX BRACKET | △ | [MA] | 6-600-368-01 IC RH80536GC0212MSL7GL(P-M 1.5) | | | | | ● | ● | ● | | | | |
| 311 | X-4626-661-1 | SE1P IO BRACKET ASSY | △ | [MA] | 6-706-572-01 IC RH80535NC017512SL6N6(Cel-M1.4) | | ● | ● | | ● | ● | ● | | | | |
| 312 | 1-756-038-11 | BATTERY,NICKEL HYDROGEN | △ | [MA] | 6-707-262-01 IC RH80536NC0131M (Cel-M1.3) | | | | | | | | | | | |
| | | | △ | [MA] | 303 6-706-244-01 IC EBD11UD8ADDA-6B(1GB) | | ● | ● | | ● | ● | ● | | | | |
| | | | | | 6-706-337-01 IC M470L6524BT0-CB3(512MB) | ● | ● | ● | ● | ● | ● | ● | ● | | | ● |
| 313 | 4-642-711-11 | SHEET (BATTERY), ADHESIVE | △ | [MA] | 6-707-051-01 IC MT8VDDT3264HDY-335F4 (256MB) | | | | ● | ● | ● | ● | | ● | ● | |
| 314 | 4-668-307-01 | SHEET DIMM | | | 320 1-761-864-14 # WIRELESS LAN CARD | | | | ● | ● | ● | ● | | | | |
| 315 | A-1058-414-A | HARNESS,DC | △ | [MA] | 1-761-864-23 # WIRELESS LAN CARD | ● | | | | | | | | | | |
| 316 | A-1067-298-A | CONNECTOR(SE+),PC CARD | △ | [MA] | 1-761-864-33 # WIRELESS LAN CARD | | | | | | | | ● | ● | ● | ● |
| 317 | A-8119-893-A | SE1 FIN THERMAL MODULE | △ | [MA] | 1-761-891-12 # WIRELESS LAN CARD | | ● | ● | | | | | | | | |
| 318 | A-8119-892-A \$ | SE1 THERMAL MODULE | △ | | | [MA] | △ | △ | △ | △ | △ | △ | △ | △ | △ | △ |
| 319 | 2-103-694-01 | SE1P VGA THERMAL PAD | | | | | | | | | | | | | | |
| 321 | 1-761-606-14 # | CARD,MODEM | | | | | | | | | | | | | | |
| 322 | 4-682-465-01 | SE1 MYLAR DOOR DIMM | | | | | | | | | | | | | | |
| 323 | 2-103-444-01 | SE1 EMI SPRING FIN | | | | | | | | | | | | | | |
| 324 | X-2022-963-1 | SE1 EMI SPRING BATT-1 ASSY | | | | | | | | | | | | | | |
| 326 | 4-683-063-01 | RJ11 BKT | | | | | | | | | | | | | | |
| 327 | 2-176-527-01 | 2ND FAN MYLAR-1 | | | | | | | | | | | | | | |
| 328 | 2-103-452-01 | CPU THERMAL PAD | | | | | | | | | | | | | | |
| 329 | 2-103-693-01 | SE1P THERMAL MODULE GASKET | | | | | | | | | | | | | | |
| 330 | A-8068-828-A | COMPLETE PWB CNX-256 | | | | | | | | | | | | | | |
| B1 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD,EG GRIP | | | | | | | | | | | | | | |
| B3 | 4-672-834-41 | SCREW, +B EG GRIP | | | | | | | | | | | | | | |
| B4 | 2-048-596-02 | SCREW, +B EG GRIP | | | | | | | | | | | | | | |
| B5 | 4-672-836-11 | SCREW, M2 SPECIAL HEAD,EG GRIP | | | | | | | | | | | | | | |
| B6 | 4-656-703-01 | SCREW, M2 | | | | | | | | | | | | | | |
| B13 | 2-103-443-01 | SE1 HEX2-5+7 | | | | | | | | | | | | | | |
| B14 | 4-635-966-01 | SCREW(HEX) | | | | | | | | | | | | | | |

- 1) The DIP switch setting, refer to page 4-35 "DIP switch".
- 2) The CPU THERMAL PAD (Ref.328) cannot be re-used if it is removed once.
When the FIN THERMAL MODULE (Ref.317) is removed, be sure to replace it with the new one.
- 3) When change the CPU (Ref.302), refer to "5-2 Replacing the CPU "in CHAPTER 5.

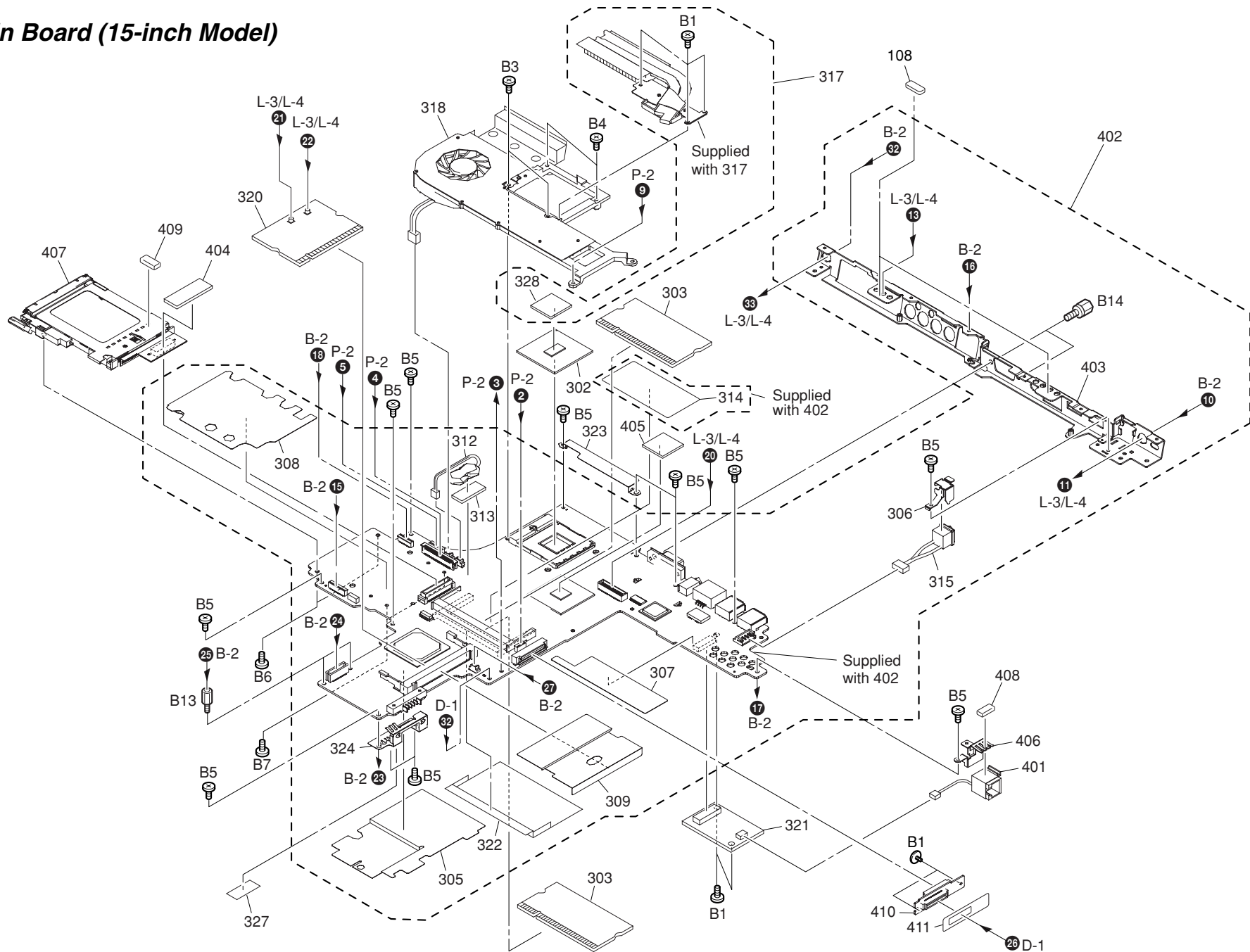
- 1) DIP スイッチの設定は、4-35 頁「DIP Switch」を参照してください。
- 2) CPU THERMAL PAD (Ref.328) は、一度取り外したものを再利用することはできません。
FIN THERMAL MODULE (Ref.317) をはずした場合には、必ず新しいものを交換してください。
- 3) CPU (Ref.302) を交換する際は、CHAPTER 5、「5-2 CPU の交換」を参照してください。

- This parts list contains two different types of parts.
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Confidential

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VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

M-2. Main Board (15-inch Model)



△ [MA]

Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
 VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
 VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
 VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

M-2. Main Board (15-inch Model)

| Ref.No. | Part No. | Description |
|---------|-------------------|--------------------------------|
| 108 | 2-103-022-01 | KEYBOARD BRACKET GASKET |
| 305 | 4-682-945-01 | SE1 2ND FAN MYLAR |
| 306 | X-2022-962-2 | SE1 DC JACK HOLDER ASSY |
| 307 | 4-682-478-01 | SE1 ODD INSULATOR |
| 308 | 4-682-942-01 | SE1 PCMCIA MYLAR |
| 309 | 4-682-475-01 | SE1 SHEET MINI-PCI |
| 312 | 1-756-038-11 | BATTERY,NICKEL HYDROGEN |
| 313 | 4-642-711-11 | SHEET (BATTERY), ADHESIVE |
| 314 | 4-668-307-01 | SHEET DIMM |
| 315 | A-1058-414-A | HARNESS,DC |
| 317 | A-8119-893-A | SE1 FIN THERMAL MODULE |
| 318 | A-8119-892-A \$ | SE1 THERMAL MODULE |
| 321 | 1-761-606-14 # | MODEM CARD |
| 322 | 4-682-465-01 | SE1 MYLAR DOOR DIMM |
| 323 | 2-103-444-01 | EMI SPRING FIN |
| 324 | X-2022-963-1 | EMI SPRING BATT-1 ASSY |
| 327 | 2-176-527-01 | 2ND FAN MYLAR-1 |
| 328 | 2-103-452-01 | CPU THERMAL PAD |
| 401 | A-1058-422-A | CABLE, RJ11 |
| 402 | A-1083-176-A \$ # | COMPLETE PWB MBX-110 SE2 |
| 403 | X-4626-725-1 | SE1 BRACKET I/O ASSY |
| 404 | 4-682-943-01 | SE1 CARDBUS CONN SPONGE |
| 405 | 4-676-423-01 | VGA THERMAL PAD |
| 406 | 4-682-442-01 | SE1 RJ11 BRACKET |
| 407 | A-1067-297-A | CONNECTOR(SE),PC CARD |
| 408 | 2-103-446-01 | SE1 GASKET RJ11 |
| 409 | 2-103-445-01 | SE1 GASKET CARD BOX |
| 410 | A-8068-826-A | COMPLETE PWB CNX-246 |
| 411 | 4-682-950-01 | SE1 ODD BOARD MYLAR |
| B1 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD,EG GRIP |
| B3 | 4-672-834-41 | SCREW, +B EG GRIP |
| B4 | 2-048-596-02 | SCREW, +B EG GRIP |
| B5 | 4-672-836-11 | SCREW, M2 SPECIAL HEAD,EG GRIP |
| B6 | 4-656-703-01 | SCREW, M2 |
| B7 | 4-644-637-21 | GRIP, M2 EG |
| B13 | 2-103-443-01 | SE1 HEX2-5+7 |
| B14 | 4-635-966-01 | SCREW (HEX) |



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| | | | J | | AM | | | AO |
|---------|----------------|-----------------------------------|---------|--------|-------|--------|--------|--------|
| | | | A51PS2* | A51S2* | A230* | A230B* | A230P* | A230CP |
| Ref.No. | Part No. | Description | | | | | | |
| 302 | 6-706-559-01 | IC RH80536GC0412MSL7EM(P-M2.0) | ● | ● | ● | ● | ● | |
| | 6-600-306-01 | IC RH80536GC0332MSL7EN(P-M1.8) | ● | ● | ● | ● | ● | |
| | 6-600-343-01 | IC RH80536GC0292MSL7EP(P-M1.7) | | | ● | ● | ● | |
| | 6-600-355-01 | IC RH80536GC0252MSL7EG(P-M1.6) | ● | ● | ● | ● | ● | ● |
| | 6-600-368-01 | IC RH80536GC0212MSL7GL(P-M 1.5) | | | ● | ● | ● | |
| | 6-706-572-01 | IC RH80535NC017512SL6N6(Cel-M1.4) | ● | ● | ● | ● | ● | |
| | 6-707-262-01 | IC RH80536NC0131M (Cel-M1.3) | | | ● | ● | ● | |
| 303 | 6-706-244-01 | IC EBD11UD8ADDA-6B(1GB) | ● | ● | ● | ● | ● | |
| | 6-706-337-01 | IC M470L6524BT0-CB3(512MB) | ● | ● | ● | ● | ● | |
| | 6-707-051-01 | IC MT8VDDT3264HDY-335F4 (256MB) | | | | ● | ● | ● |
| 320 | 1-761-864-14 # | WIRELESS LAN CARD | | | ● | ● | ● | |
| | 1-761-864-23 # | WIRELESS LAN CARD | ● | ● | | | | |
| | 1-761-864-33 # | WIRELESS LAN CARD | | | | | | ● |

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- 1) The DIP switch setting, refer to page 4-35 "DIP switch".
- 2) The CPU THERMAL PAD (Ref.328) cannot be re-used if it is removed once.
When the FIN THERMAL MODULE (Ref.317) is removed, be sure to replace it with the new one.
- 3) When change the CPU (Ref.302), refer to "5-2 Replacing the CPU "in CHAPTER 5.

- 1) DIP スイッチの設定は、4-35 頁「DIP Switch」を参照してください。
- 2) CPU THERMAL PAD (Ref.328) は、一度取り外したものを再利用することはできません。
FIN THERMAL MODULE (Ref.317) をはずした場合には、必ず新しいものを交換してください。
- 3) CPU (Ref.302) を交換する際は、CHAPTER 5、「5-2 CPU の交換」を参照してください。

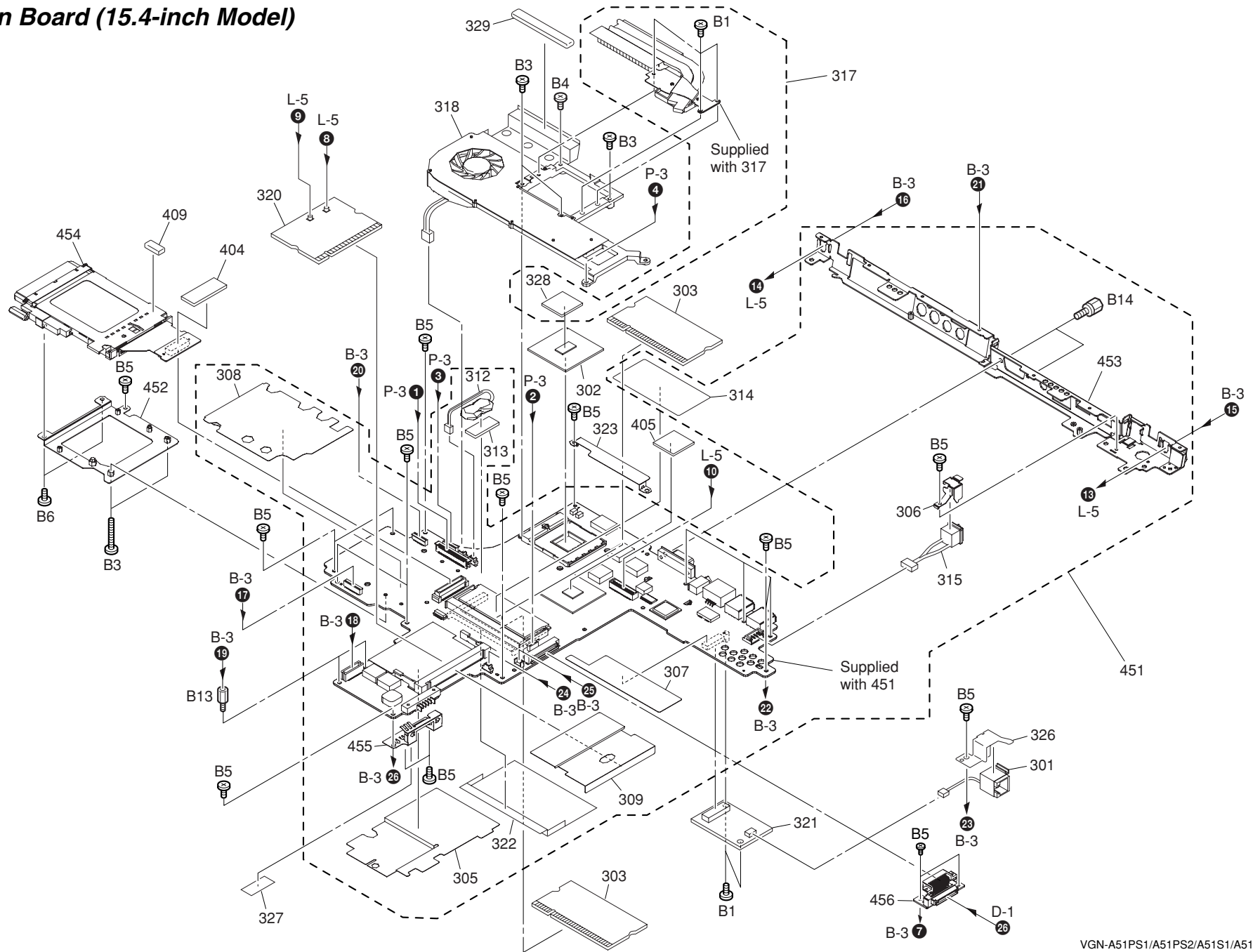
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△ [MA]

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
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VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

Confidential



M-3. Main Board (15.4-inch Model)

| Ref.No. | Part No. | Description | | | | J | AM | | | | AO | | | | | | | | | | |
|---------|-------------------|--------------------------------|---|--|-----------------------------------|---------|--------|------|------|-------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|------|
| | | | | | | A51PS1* | A51S1* | A260 | A250 | A240* | A240B* | A240P* | A290F | A295HP | A215M | A215Z | A29GP | A29SP | A29LP | A29TP | A21C |
| 301 | A-1058-426-A | CABLE, RJ11 | | | | | | | | | | | | | | | | | | | |
| 305 | 4-682-945-01 | SE1 2ND FAN MYLAR | | | | | | | | | | | | | | | | | | | |
| 306 | X-2022-962-2 | SE1 DC JACK HOLDER ASSY | | | | | | | | | | | | | | | | | | | |
| 307 | 4-682-478-01 | SE1 ODD INSULATOR | | | | | | | | | | | | | | | | | | | |
| 308 | 4-682-942-01 | SE1 PCMCIA MYLAR | | | | | | | | | | | | | | | | | | | |
| | | Ref.Nc Part No. | | | Description | | | | | | | | | | | | | | | | |
| | | 302 6-706-559-01 | | | IC RH80536GC0412MSL7EM(P-M2.0) | ● | ● | | | ● | ● | ● | | | | | | | | | |
| | | 6-600-306-01 | | | IC RH80536GC0332MSL7EN(P-M1.8) | ● | ● | | | ● | ● | ● | | | | | | | | | |
| | | 6-600-343-01 | | | IC RH80536GC0292MSL7EP(P-M1.7) | | | | | ● | ● | ● | | ● | | ● | | | | | |
| | | 6-600-355-01 | | | IC RH80536GC0252MSL7EG(P-M1.6) | ● | ● | ● | ● | ● | ● | ● | ● | | ● | | | ● | ● | ● | |
| | | 6-600-368-01 | | | IC RH80536GC0212MSL7GL(P-M 1.5) | | | | | ● | ● | ● | | | | | | | | | ● |
| | | 6-706-572-01 | | | IC RH80535NC017512SL6N6(Cel-M1.4) | ● | ● | | | ● | ● | ● | | | | | | | | | |
| | | 6-707-262-01 | | | IC RH80536NC0131M (Cel-M1.3) | | | | | ● | ● | ● | | | | | | | | | |
| | | 303 6-706-244-01 | | | IC EBD11UD8ADDA-6B(1GB) | ● | ● | | | ● | ● | ● | | | | | | | | | |
| | | 6-706-337-01 | | | IC M470L6524BT0-CB3(512MB) | ● | ● | | | ● | ● | ● | | ● | | | ● | ● | ● | ● | |
| | | 6-707-051-01 | | | IC MT8VDDT3264HDY-335F4 (256MB) | | | ● | ● | ● | ● | ● | ● | | ● | ● | | | | | ● |
| | | 320 1-761-864-14 | # | | WIRELESS LAN CARD | | | ● | ● | ● | ● | ● | ● | | | | | | | | |
| | | 1-761-864-23 | # | | WIRELESS LAN CARD | ● | ● | | | ● | ● | ● | ● | | | | | | | | |
| | | 1-761-864-33 | # | | WIRELESS LAN CARD | | | | | | | | | ● | ● | ● | ● | ● | ● | | ● |
| | | 1-761-864-15 | # | | WIRELESS LAN CARD | | | | | | | | | | | | | | | ● | |
| 326 | 4-683-063-01 | RJ11 BKT | | | | ⚠ | ⚠ | | | | | | ⚠ | | | | | | ⚠ | ⚠ | ⚠ |
| 327 | 2-176-527-01 | SE1 2ND FAN MYLAR-1 | | | | [MA] | [MA] | | | | | | | | | | | | | | |
| 328 | 2-103-452-01 | CPU THERMAL PAD | | | | | | | | | | | | | | | | | | | |
| 329 | 2-103-693-01 | SE1P THERMAL MODULE GASKET | | | | | | | | | | | | | | | | | | | |
| 404 | 4-682-943-01 | CARDBUS CONN ,SPONGE | | | | | | | | | | | | | | | | | | | |
| 405 | 4-676-423-01 | VGA THERMAL PAD | | | | | | | | | | | | | | | | | | | |
| 409 | 2-103-445-01 | SE1 GASKET CARD BOX | | | | | | | | | | | | | | | | | | | |
| 451 | A-1083-175-A \$ # | COMPLETE PWB MBX-110 SE2M | | | | | | | | | | | | | | | | | | | |
| 452 | 2-050-884-01 | SEM BRACKET CARD BOX | | | | | | | | | | | | | | | | | | | |
| 453 | X-2021-754-1 | SEM BRACKET I/O ASSY | | | | | | | | | | | | | | | | | | | |
| 454 | A-1067-143-A | PC-CARD(M),FLEXIBLE PRINT | | | | | | | | | | | | | | | | | | | |
| 455 | X-2023-152-1 | SEM EMI SPRING BATT-1 ASSY | | | | | | | | | | | | | | | | | | | |
| 456 | A-1067-139-A | COMPLETE PWB CNX-267 | | | | | | | | | | | | | | | | | | | |
| B1 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD,EG GRIP | | | | | | | | | | | | | | | | | | | |
| B3 | 4-672-834-41 | SCREW, +B EG GRIP | | | | | | | | | | | | | | | | | | | |
| B4 | 2-048-596-02 | SCREW, +B EG GRIP | | | | | | | | | | | | | | | | | | | |
| B5 | 4-672-836-11 | SCREW, M2 SPECIAL HEAD,EG GRIP | | | | | | | | | | | | | | | | | | | |
| B6 | 4-656-703-01 | SCREW, M2 | | | | | | | | | | | | | | | | | | | |
| B13 | 2-103-443-01 | SE1 HEX2-5+7 | | | | | | | | | | | | | | | | | | | |
| B14 | 4-635-966-01 | SCREW(HEX) | | | | | | | | | | | | | | | | | | | |

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- 1) The DIP switch setting, refer to page 4-35 "DIP switch".
- 2) The CPU THERMAL PAD (Ref.328) cannot be re-used if it is removed once.
When the FIN THERMAL MODULE (Ref.317) is removed, be sure to replace it with the new one.
- 3) When change the CPU (Ref.302), refer to "5-2 Replacing the CPU "in CHAPTER 5.

- 1) DIPスイッチの設定は、4-35 頁「DIP Switch」を参照してください。
- 2) CPU THERMAL PAD (Ref.328) は、一度取り外したものを再利用することはできません。
FIN THERMAL MODULE (Ref.317) をはずした場合には、必ず新しいものを交換してください。
- 3) CPU (Ref.302) を交換する際は、CHAPTER 5、「5-2 CPU の交換」を参照してください。

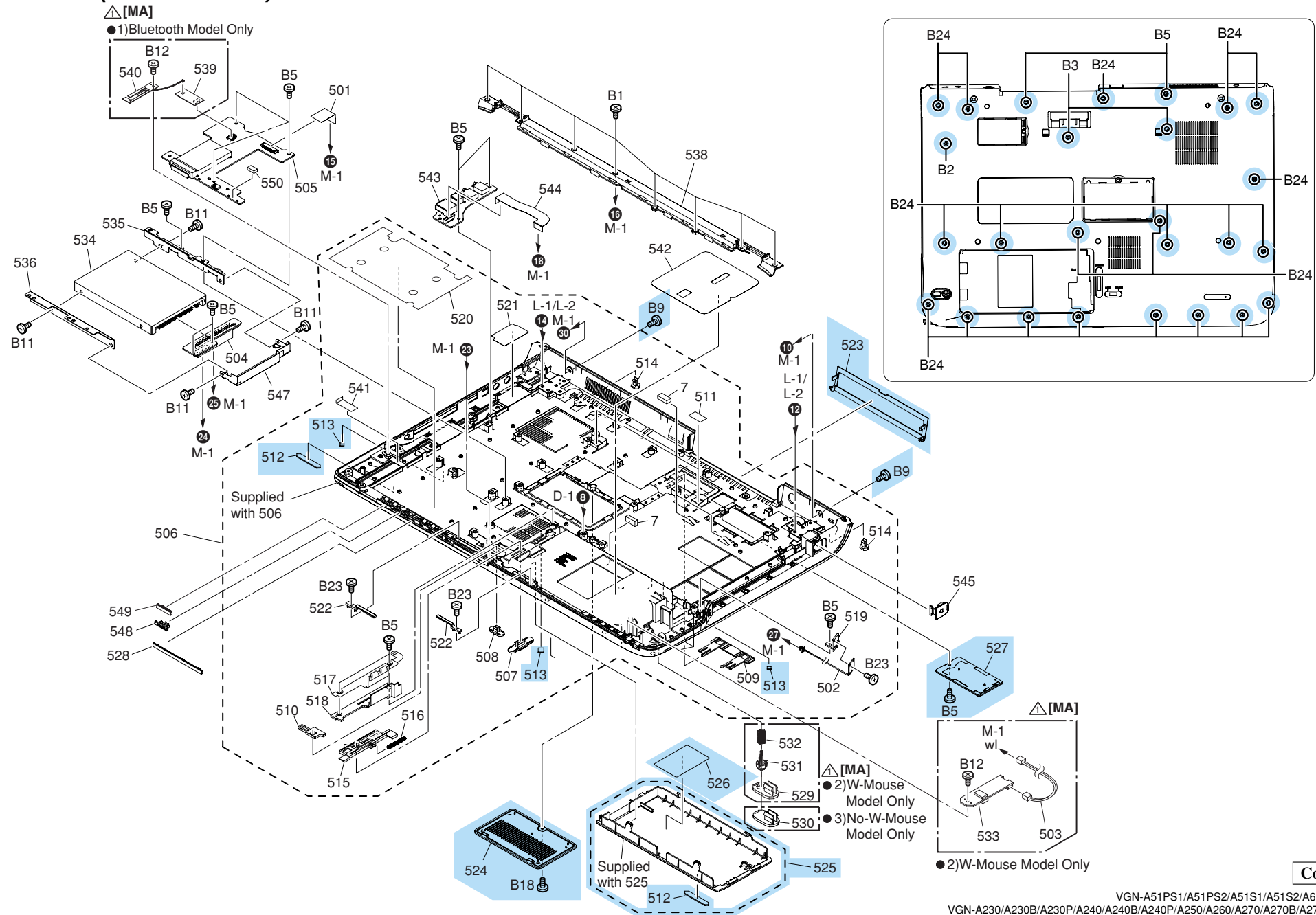
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- 機種名に(*)がつくのは CTO モデルです。

[MA]

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

B-1. Bottom (17-inch Model)



B-1. Bottom (17-inch Model)

| Ref.No. | Part No. | Description |
|---------|--------------|------------------------------|
| 7 | 4-682-423-01 | SE1 SPONGE BT |
| 501 | A-1058-406-A | CABLE,(26P), FLEXIBLE FLAT |
| 502 | A-1058-416-A | CABLE, ODD EJECT |
| 504 | A-8068-827-A | COMPLETE PWB CNX-247 |
| 505 | A-8068-830-A | COMPLETE PWB IFX-335 |
| 506 | X-4626-658-2 | SE1P BOTTOM ASSEY |
| 507 | 4-682-454-01 | SE1 15S BATT BUTTON |
| 508 | 4-682-455-01 | SE1 15S BATT BUTTON3 |
| 509 | 4-682-460-01 | SE1 15S DOOR DOCK |
| 510 | 4-682-457-01 | SE1 BATT LOCK |
| 511 | 4-683-040-01 | SE1 DOCKING HOOK MYLAR |
| 512 | 4-682-443-01 | & SE1 FOOT FRONT |
| 513 | 4-682-444-01 | & SE1 FOOT FRONT CENTER |
| 514 | 4-682-445-01 | SE1 FOOT REAR |
| 515 | 4-682-456-01 | SE1 LATCH BATT |
| 516 | 4-682-459-01 | SE1 LATCH BATT SPRING |
| 517 | 4-682-479-01 | SE1 EMI SPRING BATT |
| 518 | 4-682-458-02 | SE1 LATCH LEVER |
| 519 | 4-682-476-01 | SE1 SW BRACKET |
| 520 | 2-103-697-01 | SE1P HDD MYLAR |
| 521 | 2-103-698-01 | SE1P INSULATION AUDIO BD |
| 522 | 4-682-447-01 | SE1 LCD LATCH DETECTOR |
| 523 | X-4626-721-1 | & SE1 DOOR I/O ASSY |
| 524 | X-4626-653-1 | & SE1 DIMM DOOR ASSY |
| 525 | X-4626-720-1 | & SE1 BATTERY DOOR ASSY |
| 526 | 2-025-132-01 | & LABEL BATTERY |
| 527 | 4-682-466-01 | & SE1 15S DOOR MODEM |
| 535 | 4-682-580-01 | SE1P BRACKET HDD-L |
| 536 | 4-682-581-01 | SE1P BRACKET HDD-R |
| 538 | 4-682-568-01 | SE1P DISPLAY BASE |
| 541 | 2-103-696-01 | SE1P SHEET BLUETOOTH AN |
| 542 | 2-103-695-01 | SE1P BATT MASK MYLAR B |
| 543 | A-8068-825-A | COMPLETE PWB CNX-245 |
| 544 | A-1058-429-A | PWB(20P),FLEXIBLE PRINT |
| 545 | 4-682-462-01 | SE1 15S MODEM R |
| 547 | 2-067-843-01 | EMI SPRING HDD |
| 550 | 2-159-787-01 | SE1 SPONGE LENS |
| B1 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD,E |
| B2 | 4-672-836-21 | <&> SCREW, M2 SPECIAL HEAD,E |
| B3 | 4-672-834-41 | <&> SCREW, +B EG GRIP |
| B4 | 2-048-596-01 | <&> SCREW, +B EG GRIP |
| B5 | 4-672-836-11 | <&> SCREW, M2 SPECIAL HEAD,E |
| B9 | 2-159-307-01 | <&> SCREW, M2.6+B EG GRIP |
| B11 | 4-672-839-01 | HEAD,M3 FLAT |
| B12 | 4-672-840-01 | SCREW, M2 TAPPING,FLAT H |
| B18 | 4-672-834-21 | <&> SCREW, +B EG GRIP |
| B23 | 3-254-029-11 | SCREW |
| B24 | 4-672-834-71 | <&> SCREW,+B EG GRIP |

| | | | | J | | | AM | | | EU | | | AO | |
|------|---------|--------------|-------------------------------------|------|--------|-------|------|-------|--------|--------|--------|-------|-------|-------|
| | | | | A61B | A71PS* | A71S* | A290 | A270* | A270B* | A270P* | A297XP | A217S | A217M | A29CP |
| | Ref.No. | Part No. | Description | | | | | | | | | | | |
| [MA] | 503 | A-1058-408-A | CABLE,WIRELESS MOUSE | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| [MA] | 528 | 4-682-449-01 | SE1 LENS PANEL CTO (W/WL,W/BT) | | | | | ● | ● | ● | ● | ● | ● | |
| | | 4-682-449-11 | SE1 LENS PANEL CTO(W/WL,No-BT) | ● | ● | ● | ● | | | | | | | ● |
| [MA] | 529 | 4-683-065-01 | SE1P BUTTON COVER RF(W/W-Mouse) | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| | 530 | 4-683-066-01 | SE1P PANEL RF CTO(No-W-Mouse) | | | | ● | | | | | | | ● |
| [MA] | 531 | 4-682-582-01 | SE1P BUTTON RF(W/W-Mouse) | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| [MA] | 532 | 4-682-583-01 | SE1P SPRING RF KNOB(W/W-Mouse) | ● | ● | ● | | | | ● | ● | ● | ● | |
| [MA] | 533 | 1-796-949-11 | USB RF MOUSE RECEIVER | ● | ● | ● | | ● | ● | ● | ● | ● | ● | |
| [MA] | 534 | A-8067-943-A | \$ # ASSY HDD 80GB (1,40) (S) | | ● | ● | | ● | ● | ● | ● | | ● | |
| [MA] | | A-1062-140-A | \$ # HDD (80GB,HTS548080M9AT00)_(S) | | ● | ● | | ● | ● | ● | | | | |
| [MA] | | A-1083-189-A | \$ # HDD (MHT2080AT-80GB) (S) | ● | ● | ● | | | | | | | | ● |
| [MA] | | A-1065-502-A | \$ # ASSY HDD 60GB(-21)(1,40)(S) | | | | | ● | ● | ● | | | | |
| | | A-1083-188-A | \$ # HDD (MHU2100AT-100GB) (S) | | ● | ● | ● | | | | ● | | | |
| | | A-1083-186-A | \$ # HDD(40GB,HTS424040)(S) | | | | | ● | ● | ● | | | | |
| [MA] | 539 | 1-805-554-11 | BLUETOOTH MODULE | | | | | ● | ● | ● | ● | ● | ● | |
| [MA] | 540 | A-1058-407-A | CABLE,BT ANTENNA | | | | | ● | ● | ● | ● | ● | ● | |
| | 548 | 4-682-446-01 | SE1 SWITCH W LAN(W/WL) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | | [MA] | [MA] | [MA] | | [MA] | [MA] | [MA] | [MA] | [MA] | [MA] | [MA] |

- △[MA]

 - 1) The parts of Ref.539 and Ref.540 are used in the BLUETOOTH installation models.
 - 2) Ref.503, 532 and Ref.533 are used only in the models supplied with the Wireless-Mouse.
 - 1) Ref.539 と Ref.540 は、BLUETOOTH 搭載モデル用の部品です。
 - 2) Ref.503, 532, 533 は、Wireless-Mouse 付モデル用の部品です。
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B-2. Bottom (15-inch Model)

| Ref.No. | Part No. | Description |
|---------|-------------------|------------------------------------|
| 501 | A-1058-406-A | CABLE(26P), FLEXIBLE FLAT |
| 502 | A-1058-416-A | CABLE, ODD EJECT |
| 504 | A-8068-827-A \$ | COMPLETE PWB CNX-247 |
| 507 | 4-682-454-01 | SE1 15S BATT BUTTON |
| 508 | 4-682-455-01 | SE1 15S BATT BUTTON3 |
| 509 | 4-682-460-01 | SE1 15S DOOR DOCK |
| 510 | 4-682-457-01 | SE1 BATT LOCK |
| 511 | 4-683-040-01 | SE1 DOCKING HOOK MYLAR |
| 512 | 4-682-443-01 & | SE1 FOOT FRONT |
| 513 | 4-682-444-01 & | SE1 FOOT FRONT CENTER |
| 514 | 4-682-445-01 | SE1 FOOT REAR |
| 515 | 4-682-456-01 | SE1 LATCH BATT |
| 516 | 4-682-459-01 | SE1 LATCH BATT SPRING |
| 517 | 4-682-479-01 | SE1 EMI SPRING BATT |
| 518 | 4-682-458-02 | SE1 LATCH LEVER |
| 519 | 4-682-476-01 | SE1 SW BRACKET |
| 522 | 4-682-447-01 | LCD LATCH DETECTOR |
| 523 | X-4626-721-1 & | SE1 DOOR I/O ASSY |
| 524 | X-4626-653-1 & | SE1 DIMM DOOR ASSY |
| 525 | X-4626-720-1 & | SE1 BATTERY DOOR ASSY |
| 526 | 2-025-132-01 & | LABEL BATTERY |
| 527 | 4-682-466-01 & | SE1 15S DOOR MODEM |
| 543 | A-8068-825-A | COMPLETE PWB CNX-245 |
| 545 | 4-682-462-01 | MODEM R |
| 546 | 2-103-447-01 | THERMAL MODULE GASKET |
| 547 | 2-067-843-01 | EMI SPRING HDD |
| 550 | 2-159-787-01 | SE1 SPONGE LENS |
| 601 | 2-024-791-01 | SE1 HDD MYLAR |
| 602 | 4-682-477-01 | SE1 DISPLAY BASE |
| 603 | X-4626-650-2 | SE1 BOTTOM CASE MODULE |
| 604 | A-8068-829-A \$ # | COMPLETE PWB IFX-324 |
| 605 | 4-682-418-01 | SE1 BRACKET HDD |
| 607 | A-1058-424-A | PWB(20P), FLEXIBLE PRINT |
| 608 | 2-159-785-01 | SE1 BATTERY CONN MYLAR-1 |
| 609 | 4-672-493-01 | COVER(SC) |
| B1 | 4-672-836-01 | <&> SCREW, M2 SPECIAL HEAD,EG GRIP |
| B3 | 4-672-834-41 | <&> SCREW, M2 SPECIAL HEAD |
| B4 | 2-048-596-02 | <&> SCREW, +B EG GRIP |
| B5 | 4-672-836-11 | <&> SCREW, M2 SPECIAL HEAD |
| B7 | 4-644-637-21 | <&> GRIP, M2 EG |
| B9 | 2-159-307-01 | <&> SCREW, M2.6+B EG GRIP |
| B11 | 4-672-839-01 | HEAD,M3 FLAT |
| B18 | 4-672-834-21 | <&> SCREW, +B EG GRIP |
| B23 | 3-254-029-11 | SCREW |
| B24 | 4-672-834-71 | <&> SCREW,+B EG GRIP |

| Ref.No. | Part No. | Description | A51PS2* | A51S2* | A230* | A230B* | A230P* | A23CP |
|---------|-------------------|---------------------------------|---------|--------|-------|--------|--------|-------|
| | | | | | | | | |
| 528 | 4-682-449-11 | SE1 LENS PANEL CTO(W/WL,No-BT) | ● | ● | ● | ● | ● | ● |
| | 4-682-449-21 | SE1 LENS PANEL CTO(No-WL,No-BT) | | | ● | ● | ● | |
| 534 | A-1062-140-A \$ # | HDD (80GB,HTS548080M9AT00) (S) | ● | ● | ● | ● | ● | |
| | A-8067-943-A \$ # | ASSY HDD 80GB (I,40) (S) | | | ● | ● | ● | |
| | A-1065-502-A \$ # | ASSY HDD 60GB(-21)(I,40)(S) | ● | ● | ● | ● | ● | |
| | A-1083-188-A \$ # | HDD (MHU2100AT-100GB) (S) | ● | ● | ● | ● | ● | |
| | A-1083-186-A \$ # | HDD(40GB,HTS424040)(S) | | | ● | ● | ● | ● |
| 548 | 4-682-446-01 | SE1 SWICH W LAN(W/WL) | ● | ● | | | | |
| 549 | 4-682-448-01 | SE1 ESCUSHION RECESS F(No-WL) | | | ● | ● | ● | |
| | | | [MA] | [MA] | | | | [MA] |

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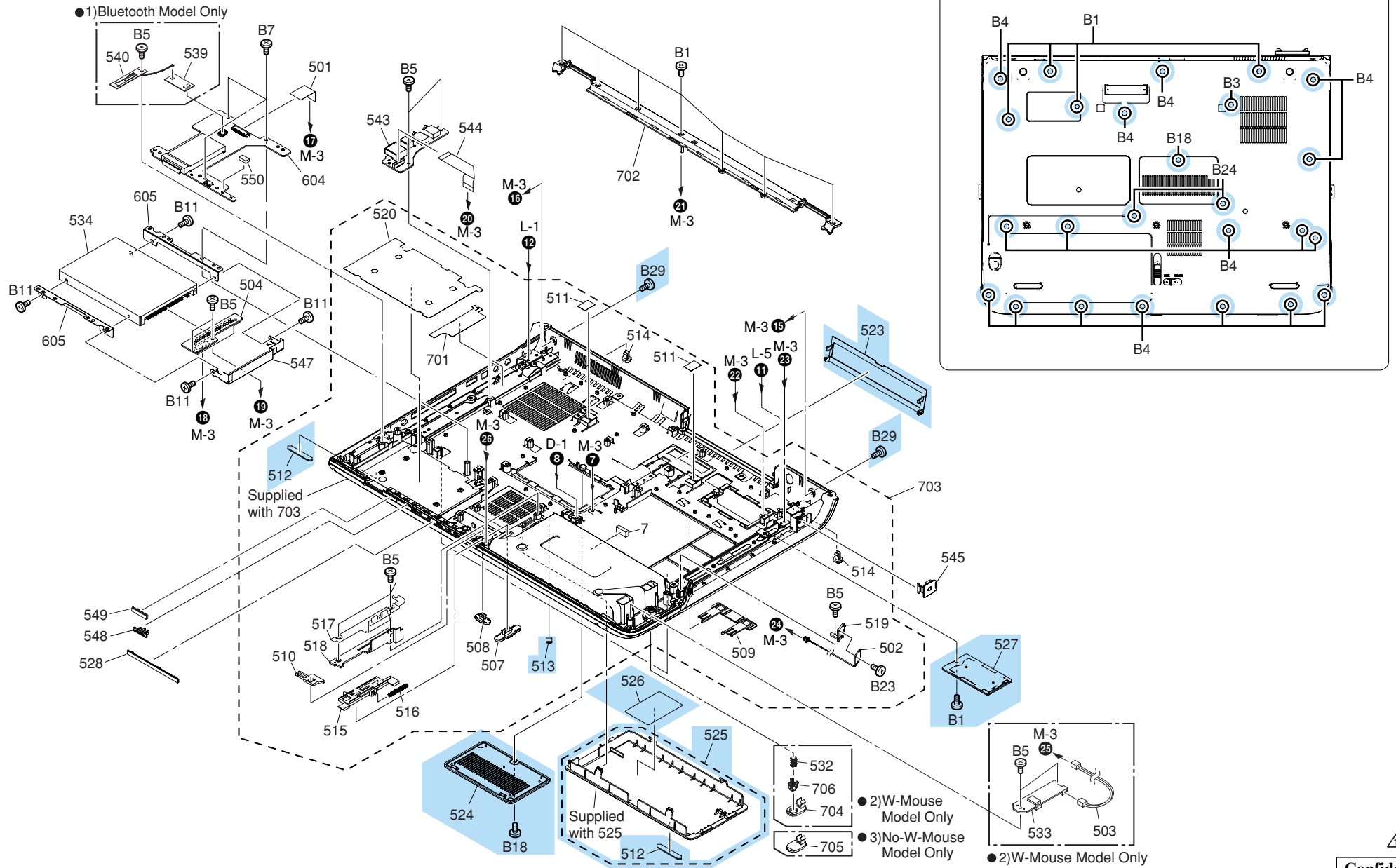
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 [MA]

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

B-3. Bottom (15.4-inch Model)



△ [MA]

Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

B-3. Bottom (15.4-inch Model)

| Ref.No. | Part No. | Description |
|---------|-------------------|------------------------------------|
| 7 | 4-682-423-01 | SE1 SPONGE BT |
| 501 | A-1058-406-A | CABLE(26P), FLEXIBLE FLAT |
| 502 | A-1058-416-A | CABLE, ODD EJECT |
| 504 | A-8068-827-A \$ | COMPLETE PWB CNX-247 |
| 507 | 4-682-454-01 | SE1 15S BATT BUTTON |
| 508 | 4-682-455-01 | SE1 15S BATT BUTTON3 |
| 509 | 4-682-460-01 | SE1 15S DOOR DOCK |
| 510 | 4-682-457-01 | SE1 BATT LOCK |
| 511 | 4-683-040-01 | SE1 DOCKING HOOK MYLAR |
| 512 | 4-682-443-01 | & SE1 FOOT FRONT |
| 513 | 4-682-444-01 | & SE1 FOOT FRONT CENTER |
| 514 | 4-682-445-01 | SE1 FOOT REAR |
| 515 | 4-682-456-01 | SE1 LATCH BATT |
| 516 | 4-682-459-01 | SE1 LATCH BATT SPRING |
| 517 | 4-682-479-01 | SE1 EMI SPRING BATT |
| 518 | 4-682-458-02 | SE1 LATCH LEVER |
| 519 | 4-682-476-01 | SE1 SW BRACKET |
| 520 | 2-103-697-01 | SE1P HDD MYLAR |
| 523 | X-4626-721-1 | & SE1 DOOR I/O ASSY |
| 524 | X-4626-653-1 | & SE1 DIMM DOOR ASSY |
| 525 | X-4626-720-1 | & SE1 BATTERY DOOR ASSY |
| 526 | 2-025-132-01 | & LABEL BATTERY |
| 527 | 4-682-466-01 | & SE1 15S DOOR MODEM |
| 543 | A-8068-825-A \$ | COMPLETE PWB CNX-245 |
| 544 | A-1058-429-A | PWB(20P),FLEXIBLE PRINT |
| 545 | 4-682-462-01 | SE1 15S MODEM R |
| 547 | 2-067-843-01 | EMI SPRING HDD |
| 550 | 2-159-787-01 | SE1 SPONGE LENS |
| 604 | A-8068-829-A \$ # | COMPLETE PWB IFX-324 |
| 605 | 4-682-418-01 | SE1 BRACKET HDD |
| 701 | 2-050-888-01 | SEM SHEET AUDIO BD |
| 702 | 2-050-865-01 | SEM DISPLAY BASE |
| 703 | X-2021-745-1 | SEM BOTTOM CASE ASSY |
| B1 | 4-672-836-01 | <&> SCREW, M2 SPECIAL HEAD,EG GRIP |
| B3 | 4-672-834-41 | <&> SCREW, +B EG GRIP |
| B4 | 2-048-596-02 | <&> SCREW, +B EG GRIP |
| B5 | 4-672-836-11 | <&> SCREW, M2 SPECIAL HEAD,EG GRIP |
| B7 | 4-644-637-21 | <&> GRIP, M2 EG |
| B29 | 4-672-835-01 | <&> SCREW, M2.6+B EG GRIP |
| B11 | 4-672-839-01 | HEAD,M3 FLAT |
| B18 | 4-672-834-21 | <&> SCREW, +B EG GRIP |
| B23 | 3-254-029-11 | SCREW |
| B24 | 4-672-834-71 | <&> SCREW,+B EG GRIP |

| | | | | J | | AM | | | | | | EU | | | AO | | | |
|---------|--------------|----|---------------------------------|---------|--------|------|------|-------|--------|--------|--------|--------|-------|-------|-------|--------|--------|-------|
| | | | | A51PS1* | A51S1* | A260 | A250 | A240* | A240B* | A240P* | A290F | A295HP | A215M | A215Z | A29GP | A29SP | A29LP | A29TP |
| Ref.No. | Part No. | | Description | | | | | | | | | | | | | | | |
| 503 | A-1058-408-A | | CABLE,WIRELESS MOUSE | ● | ● | | | ● | ● | ● | | | | | | | | |
| 528 | 4-682-449-01 | | SE1 LENS PANEL CTO (W/WL,W/BT) | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| | 4-682-449-11 | | SE1 LENS PANEL CTO(W/WL,No-BT) | ● | ● | | | ● | ● | ● | ● | | | | | ● | ● | |
| | 4-682-449-21 | | SE1 LENS PANEL CTO(No-WL,No-BT) | | | | | ● | ● | ● | ● | | | | | | | |
| 704 | 2-050-871-01 | | SEM BUTTON COVER RF(W/W-Mouse) | ● | ● | | | ● | ● | ● | | | | | | | | |
| 705 | 2-050-872-01 | | SEM PANEL RF CTO(No-W-Mouse) | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 706 | 2-050-873-01 | | SEM BUTTON RF(W/W-Mouse) | ● | ● | | | ● | ● | ● | | | | | | | | |
| 532 | 4-682-583-01 | | SE1P SPRING RF KNOB(W/W-Mouse) | ● | ● | | | ● | ● | ● | | | | | | | | |
| 533 | 1-796-949-11 | | USB RF MOUSE RECEIVER | ● | ● | | | ● | ● | ● | | | | | | | | |
| 534 | A-8067-943-A | \$ | # | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| | A-1062-140-A | \$ | # | ● | ● | | | ● | ● | ● | | | | | | | | |
| | A-1065-272-A | \$ | # | | | | | | | | | | ● | ● | ● | ● | | |
| | A-1065-502-A | \$ | # | ● | ● | | | ● | ● | ● | ● | ● | ● | | | | | |
| | A-1083-188-A | \$ | # | ● | ● | | | ● | ● | ● | | | | | | | | |
| | A-1083-189-A | \$ | # | ● | ● | | | | | | | | | | | | | |
| | A-1083-186-A | \$ | # | ● | ● | | | ● | ● | ● | | | | | | | ● | |
| 539 | 1-805-554-11 | | BLUETOOTH MODULE | | | | | | | | ● | | ● | | | | | |
| 540 | A-1058-407-A | | CABLE,BT ANTENNA | | | | | | | | ● | | ● | | | | | |
| 548 | 4-682-446-01 | | SE1 SWICH W LAN(W/WL) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 549 | 4-682-448-01 | | SE1 ESCUSHION RECESS F(No-WL) | | | | | ● | ● | ● | | | | | | | | |
| | | | | △ [MA] | △ [MA] | | | | | | △ [MA] | | | | | △ [MA] | △ [MA] | |
| | | | | | | | | | | | | | | | | | △ [MA] | |

- 1) The parts of Ref.539 and Ref.540 are used in the BLUETOOTH installation models.
 2) Ref.503, 704, 706, 532 and Ref.533 are used only in the models supplied with the Wireless-Mouse.

- 1) Ref.539 と Ref.540 は、BLUETOOTH 搭載モデル用の部品です。
 2) Ref.503, 704, 706, 532, 533 は、Wireless-Mouse 付モデル用の部品です。

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 The first type is the parts that are common to all models.
 The other type is the parts that are different depending on each model.
- This model that is accompanied by asterisk (*) is the CTO model.

- この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。
- 機種名に(*)がつくのは CTO モデルです。

△ [MA]

Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
 VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
 VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
 VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

D-1. Optical Drive

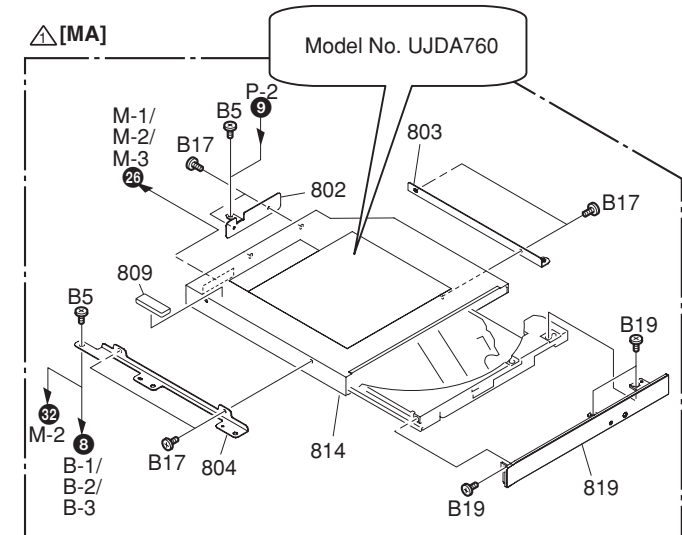
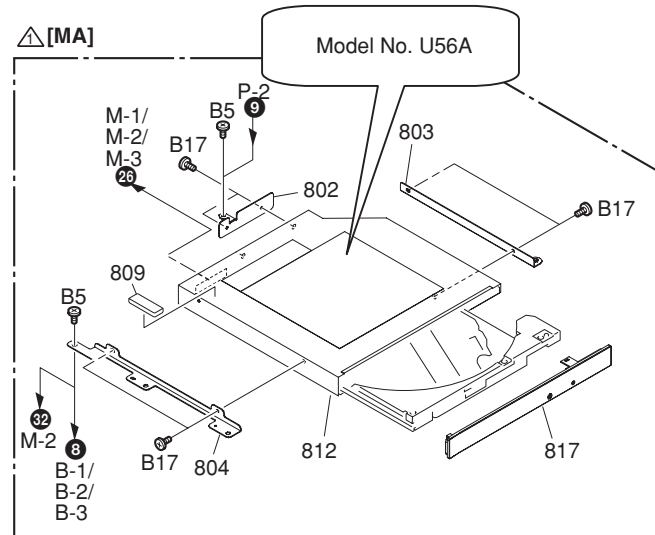
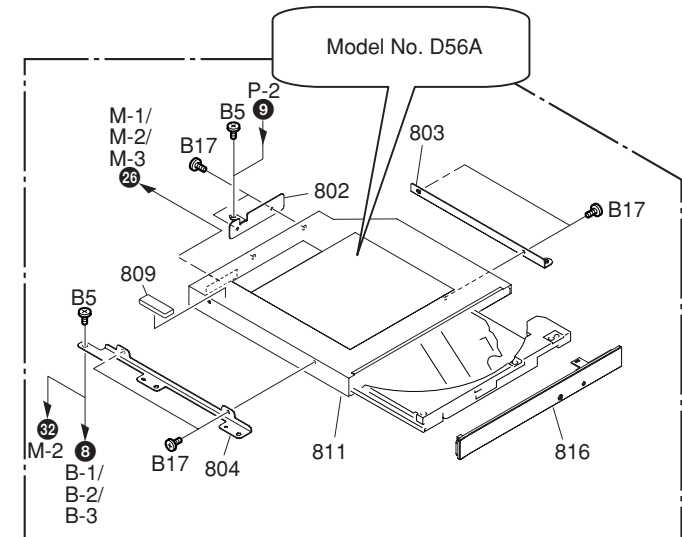
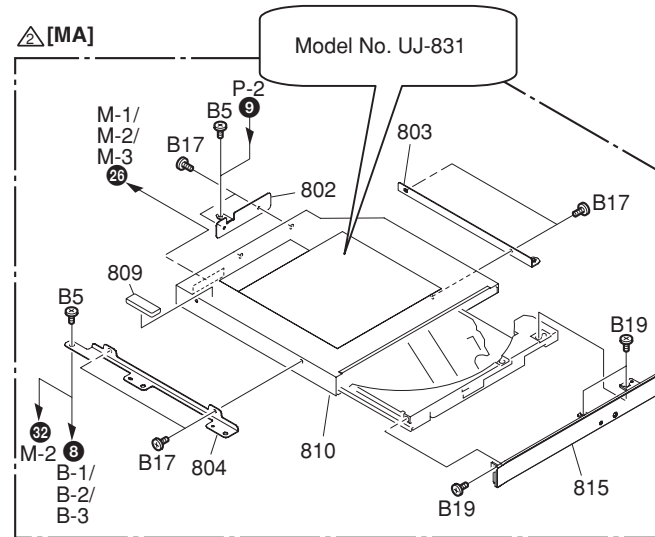
How to Use Parts Differently.

This series of product uses the five different types of the optical drive.

When replacing the optical drive, check the indication label of it, and use the same type of the optical drive.

Each optical drive has different types of the bezel.

For the how to identify the type of drive and the combination of the Bezel, refer to the details below.

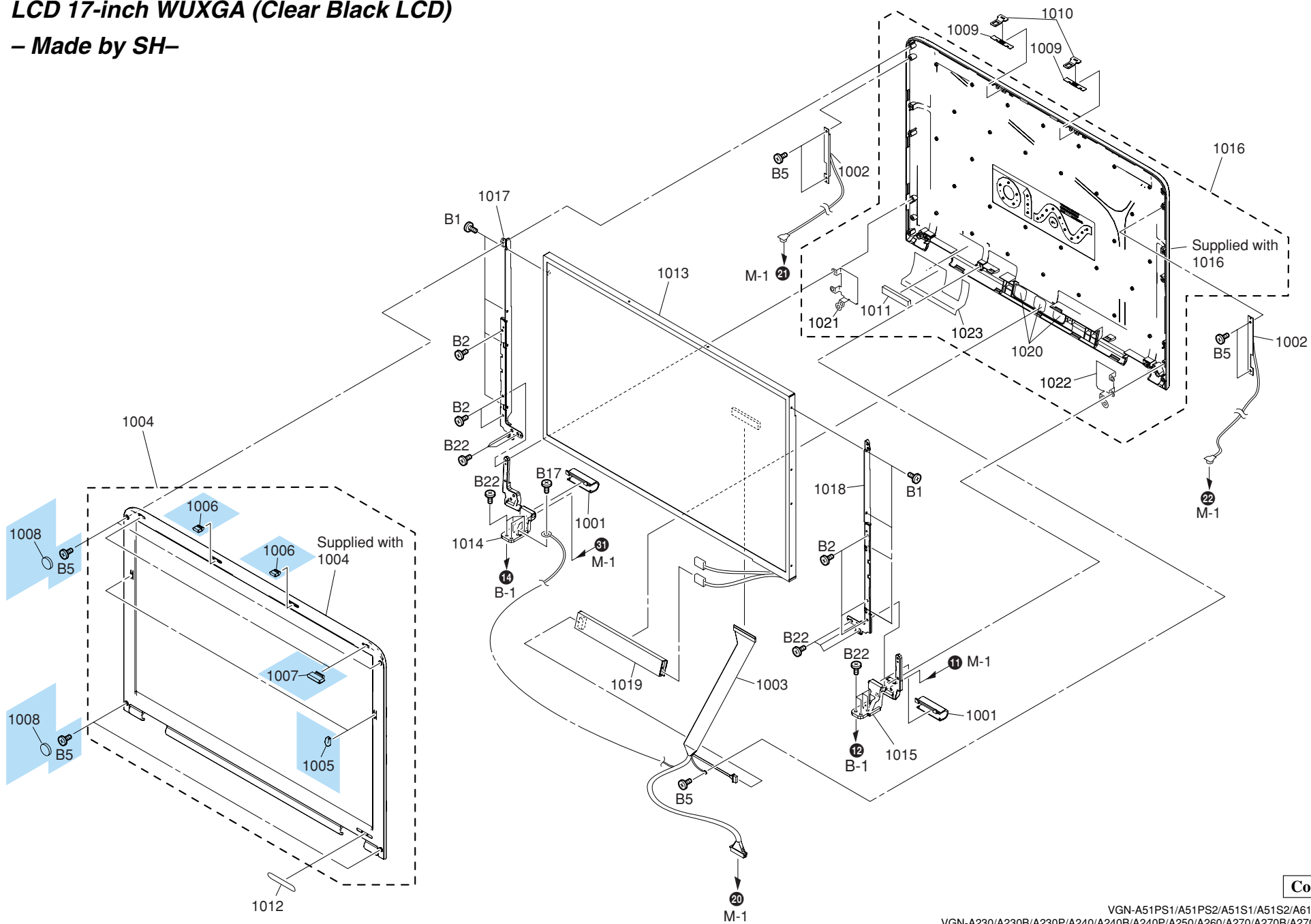


Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
 VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
 VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
 VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

L-1. LCD 17-inch WUXGA (Clear Black LCD)

– Made by SH–



Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A29CP/A29GP/A29LP/A29SP/A29TP

L-1. LCD 17-inch WUXGA (Clear Black LCD)

– Made by SH–

| Ref.No. | Part No. | Description |
|---------|-------------------|------------------------------------|
| 1001 | 4-682-380-01 | SE1 COVER HINGE |
| 1003 | A-8119-991-A | HARNESS, LCD FOR 17WUXGA |
| 1004 | X-4626-664-1 | SE1P BEZEL DISPLAY 17 ASM |
| 1005 | 4-682-397-01 | & SE1 CUSHION LCD SIDE |
| 1006 | 4-682-396-01 | & SE1 CUSHION LATCH |
| 1007 | 4-682-395-01 | & SE1 CUSHION LCD |
| 1008 | 4-682-398-01 | & SE1 COVER SCREW |
| 1009 | 4-682-388-01 | SE1 HOOK PLATE LCD 2 |
| 1010 | 4-682-390-02 | HOOK LCD 15 |
| 1011 | 2-024-790-01 | SE1 GASKET AU LVDS DISPLAY |
| 1013 | A-1062-138-A \$ # | LCD_UNIT_(2CFL-17WUXGA)(S) |
| 1014 | 4-682-578-01 | SE1P HINGE L AMS |
| 1015 | 4-682-577-01 | SE1P HINGE R AMS |
| 1016 | X-4626-663-1 | SE1P HOUSING DISPLAY 17 2 ASM |
| 1017 | 4-682-576-01 | SE1P LCD BRACKET L |
| 1018 | 4-682-575-01 | SE1P LCD BRACKET R |
| 1019 | 1-478-629-11 | INVERTER UNIT(2CFL-17W) |
| 1020 | 2-159-645-01 | SE1P INVERTER ADHESIVE |
| 1021 | 2-190-716-01 | SE1P HOUSING AL L |
| 1022 | 2-190-717-01 | SE1P HOUSING AL R |
| 1023 | 2-190-718-01 | SE1P HOUSING AL BTM |
| B1 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD,EG GRIP |
| B2 | 4-672-836-21 | SCREW, M2 SPECIAL HEAD,EG GRIP |
| B5 | 4-672-836-11 | <&> SCREW, M2 SPECIAL HEAD,EG GRIP |
| B17 | 4-671-538-01 | SCREW(M2x4),SPECIAL HEAD |
| B22 | 2-108-227-01 | SPECIAL FLAT HEAD |

| | Ref.No. | Part No. | Description | J | | AM | | | | EU | AO |
|---|---------|--------------|-------------------|-----------|-----------|------|-----------|-----------|-----------|-----------|-----------|
| | | | | A71PS* | A71S* | A290 | A270* | A270B* | A270P* | A297XP | A29CP |
| | 1002 | A-1058-425-A | CABLE, WL ANTENNA | ● | ● | ● | ● | ● | ● | ● | ● |
| △ | [MA] | 1012 | 2-320-133-01 | | | | | | | ● | |
| △ | | | 2-320-341-01 | | | ● | | | | | |
| △ | [MA] | | 2-320-350-01 | ● | | | | | | | |
| △ | [MA] | | 2-320-350-11 | | ● | | | | | | |
| △ | [MA] | | 2-320-353-01 | | | | | | ● | | |
| △ | [MA] | | 2-320-353-11 | | | | ● | | | | |
| △ | [MA] | | 2-320-353-21 | | | | ● | | | | |
| △ | [MA] | | 2-320-356-01 | | | | | | | | ● |
| | | | | △ [MA] | △ [MA] | | △ [MA] | △ [MA] | △ [MA] | △ [MA] | △ [MA] |

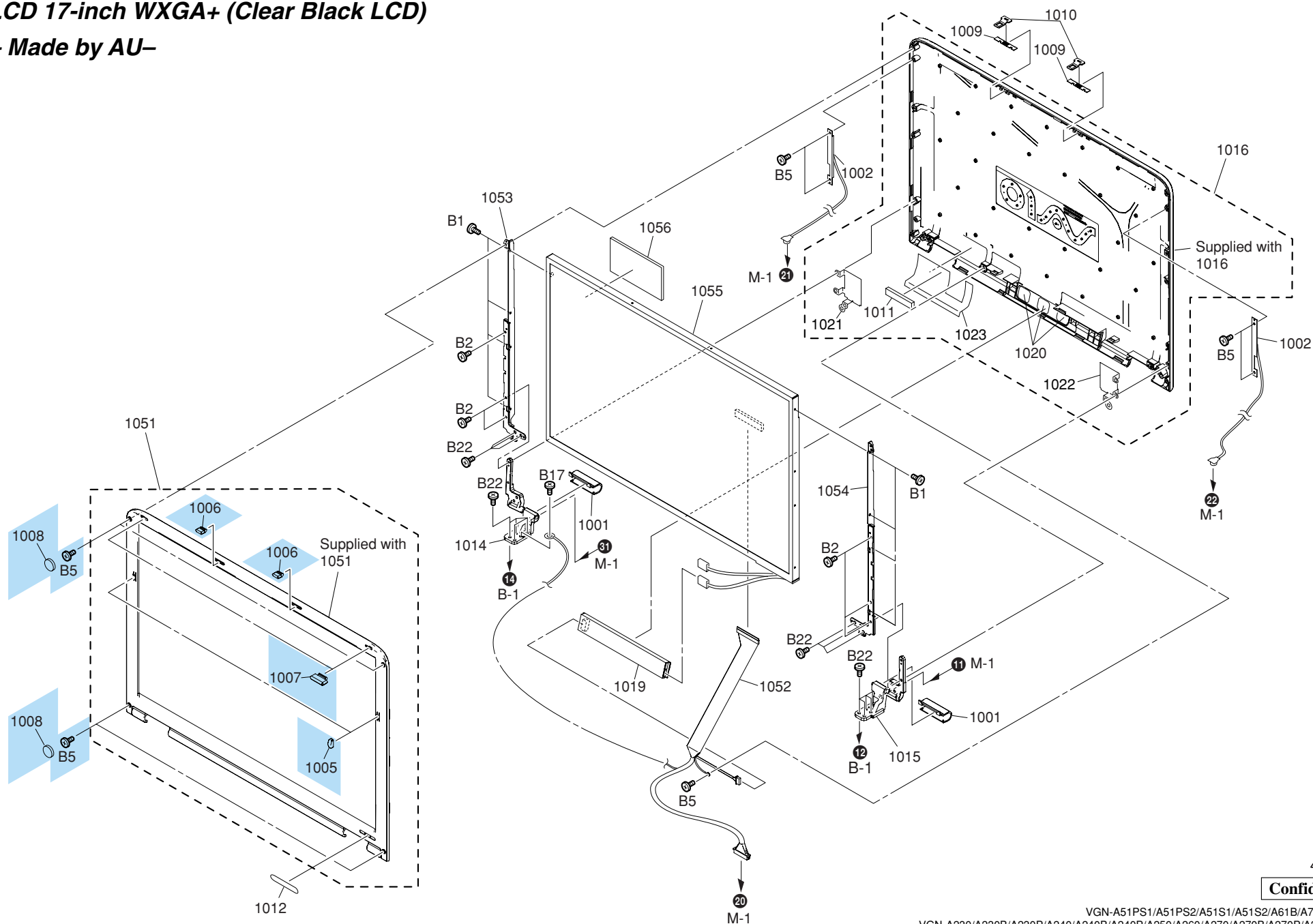
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Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
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VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

L-2. LCD 17-inch WXGA+ (Clear Black LCD)

– Made by AU–

 $\triangle_1[\text{MA}]$

Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

L-2. LCD 17-inch WXGA+ (Clear Black LCD)

– Made by AU–

| Ref.No. | Part No. | Description |
|---------|-------------------|------------------------------------|
| 1001 | 4-682-380-01 | SE1 COVER HINGE |
| 1005 | 4-682-397-01 | & SE1 CUSHION LCD SIDE |
| 1006 | 4-682-396-01 | & SE1 CUSHION LATCH |
| 1007 | 4-682-395-01 | & SE1 CUSHION LCD |
| 1008 | 4-682-398-01 | & SE1 COVER SCREW |
| 1009 | 4-682-388-01 | SE1 HOOK PLATE LCD 2 |
| 1010 | 4-682-390-02 | HOOK LCD 15 |
| 1011 | 2-024-790-01 | SE1 GASKET AU LVDS DISPLAY |
| 1014 | 4-682-578-01 | SE1P HINGE L AMS |
| 1015 | 4-682-577-01 | SE1P HINGE R AMS |
| 1016 | X-4626-663-1 | SE1P HOUSING DISPLAY 17 2 ASM |
| 1019 | 1-478-629-11 | INVERTER UNIT(2CFL-17W) |
| 1020 | 2-159-645-01 | SE1P INVERTER ADHESIVE |
| 1021 | 2-190-716-01 | SE1P HOUSING AL L |
| 1022 | 2-190-717-01 | SE1P HOUSING AL R |
| 1023 | 2-190-718-01 | SE1P HOUSING AL BTM |
| 1051 | X-2024-399-1 | SE2P BEZEL DISPLAY 17 AU |
| 1052 | A-1074-808-A | HARNESS,LCD 17 WXGA |
| 1053 | 2-176-382-01 | SE2P LCD BRACKET L |
| 1054 | 2-176-383-01 | SE2P LCD BRACKET R |
| 1055 | A-1087-141-A \$ # | LCD_UNIT_(17WXGA)_(S) |
| 1056 | 2-342-994-01 | SHIELD TAPE(AU17) |
| B1 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD,EG GRIP |
| B2 | 4-672-836-21 | SCREW, M2 SPECIAL HEAD,EG GRIP |
| B5 | 4-672-836-11 | <&> SCREW, M2 SPECIAL HEAD,EG GRIP |
| B17 | 4-671-538-01 | SCREW(M2x4),SPECIAL HEAD |
| B22 | 2-108-227-01 | SPECIAL FLAT HEAD |

| | | | | P | | | AM | | | EU | |
|-----------------|------|--------------|-------------------|-------------|--------|--------|-------|--------|--------|--------|-------|
| | | | | A61B | A71S* | A71PS* | A270* | A270B* | A270P* | A217S | A217M |
| Ref.No Part No. | | | | Description | | | | | | | |
| △ [MA] | 1002 | A-1058-425-A | CABLE, WL ANTENNA | | | | | | | | |
| | 1012 | 2-320-133-11 | LABEL ID (E) | | | | | | | | |
| △ [MA] | | 2-320-133-21 | LABEL ID (E) | | | | | | | | |
| | | 2-320-340-01 | LABEL ID (J) | | | | | | | | |
| | | 2-320-353-01 | LABEL ID (UCTO) | | | | | | | | |
| | | 2-320-353-11 | LABEL ID (UCTO) | | | | | | | | |
| △ [MA] | | 2-320-353-21 | LABEL ID (UCTO) | | | | | | | | |
| | | 2-320-350-01 | LABEL ID (JCTO) | | | | | | | | |
| △ [MA] | | 2-320-350-11 | LABEL ID (JCTO) | | | | | | | | |
| | | | | △ [MA] | △ [MA] | △ [MA] | | | | △ [MA] | |

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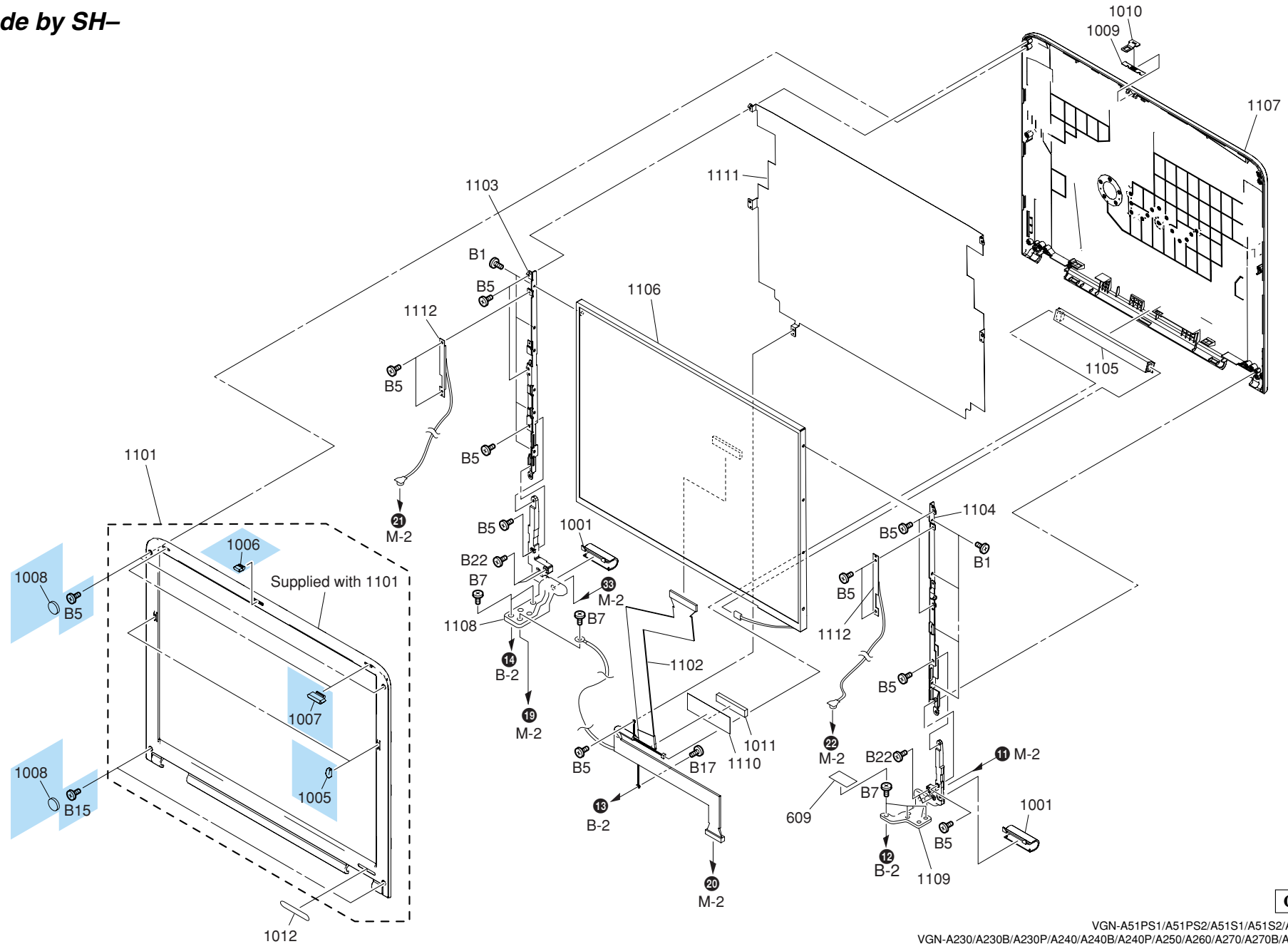
△ [MA]

Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

L-3. LCD 15-inch SXGA+ (Clear Black LCD)

– Made by SH–



△ [MA]

Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
 VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
 VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
 VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

L-3. LCD 15-inch SXGA+ (Clear Black LCD)

– Made by SH–

| Ref.No. | Part No. | Description |
|---------|-------------------|------------------------------------|
| 609 | 4-672-493-01 | COVER(SC) |
| 1001 | 4-682-380-01 | SE1 COVER HINGE |
| 1005 | 4-682-397-01 | & SE1 CUSHION LCD SIDE |
| 1006 | 4-682-396-01 | & SE1 CUSHION LATCH |
| 1007 | 4-682-395-01 | & SE1 CUSHION LCD |
| 1008 | 4-682-398-01 | & SE1 COVER SCREW |
| 1009 | 4-682-388-01 | SE1 HOOK PLATE LCD 2 |
| 1010 | 4-682-390-01 | SE1 HOOK LCD 15 |
| 1011 | 2-024-790-01 | SE1 GASKET AU LVDS DISPLAY |
| 1101 | X-4626-643-1 | SE1 BEZEL DISPLAY 15 ASSY |
| 1102 | A-8119-992-A | HARNESS, LCD FOR 15SXGA+ |
| 1103 | 4-682-402-01 | SE1 BRACKET LCD SH L |
| 1104 | 4-682-403-01 | SE1 BRACKET LCD SH R |
| 1105 | 1-478-048-11 | INVERTER UNIT |
| 1106 | A-1062-139-A \$ # | LCD UNIT (2CFL-15SXGA+-SH)(S) |
| 1107 | X-4626-642-1 | SE1 HOUSING DISPLAY 15 ASSY |
| 1108 | 4-682-405-01 | SE1 HINGE R |
| 1109 | 4-682-404-01 | SE1 HINGE L |
| 1110 | 2-024-789-01 | SE1 TAPE LVDS DISPLAY |
| 1111 | 4-682-391-01 | SE1 SHEET LCD |
| B1 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD,EG GRIP |
| B5 | 4-672-836-11 | <&> SCREW, M2 SPECIAL HEAD,EG GRIP |
| B7 | 4-644-637-21 | GRIP, M2 EG |
| B15 | 4-653-582-21 | <&> SCREW M2(NE) |
| B17 | 4-671-538-01 | SCREW(M2x4),SPECIAL HEAD |
| B22 | 2-108-227-01 | SPECIAL FLAT HEAD(EG GRIP) |

| | | | J | | AM | | |
|------------------|---------|--------------|-------------------|--------|--------|--------|--------|
| | | | A51PS2* | A51S2* | A230* | A230B* | A230P* |
| △ [MA] △ [MA] | Ref.No. | Part No. | Description | | | | |
| | 1012 | 2-320-350-41 | LABEL ID (JCTO) | ● | | | |
| | | 2-320-350-51 | LABEL ID (JCTO) | | ● | | |
| | | 2-320-353-61 | LABEL ID (UCTO) | | | | ● |
| | | 2-320-353-71 | LABEL ID (UCTO) | | | ● | |
| | | 2-320-353-81 | LABEL ID (UCTO) | | | ● | |
| | 1112 | A-1058-421-A | CABLE, WL ANTENNA | ● | ● | ● | ● |
| | | | | △ [MA] | △ [MA] | | |

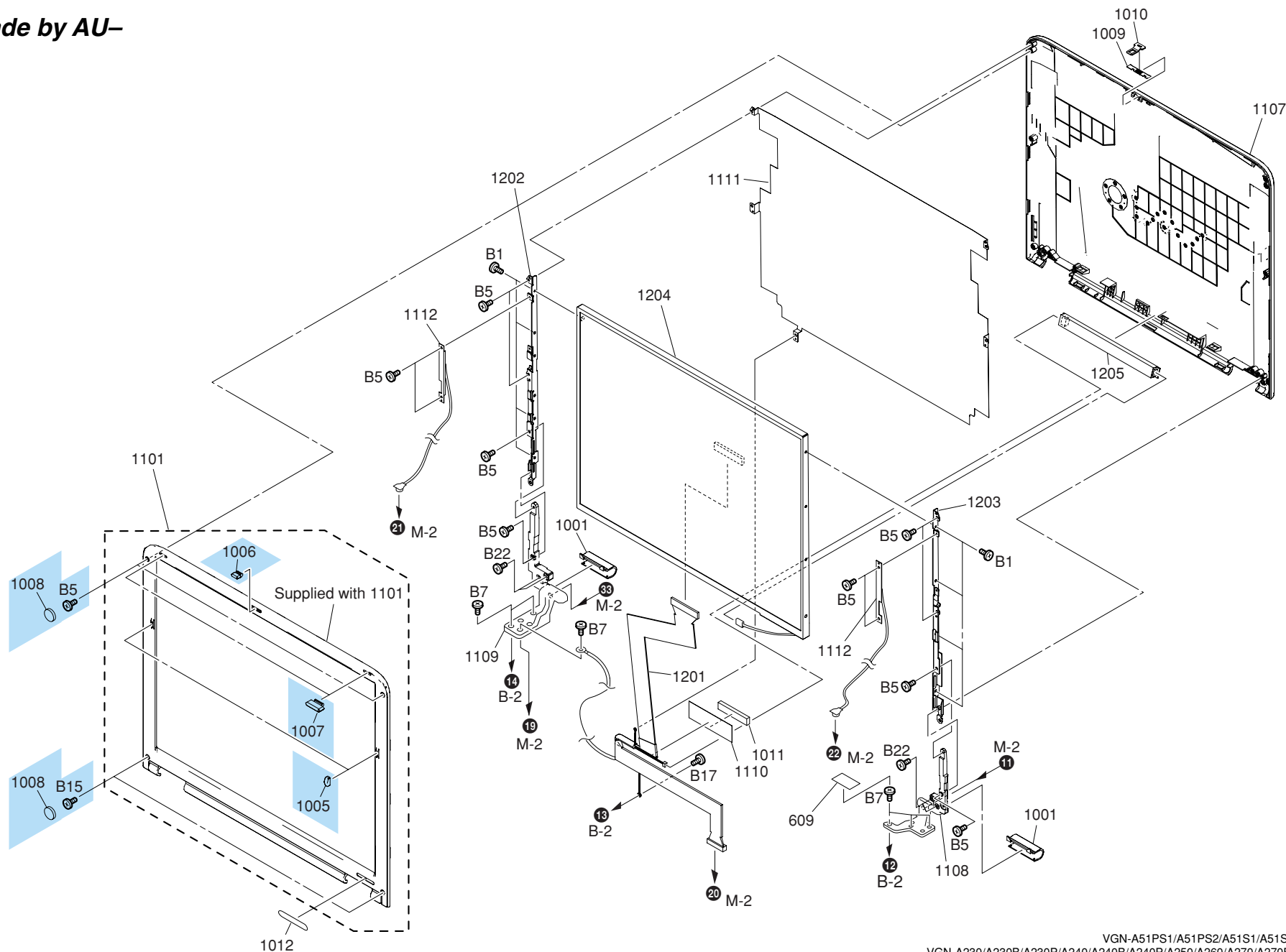
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Confidential

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 VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
 VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

L-4. LCD 15-inch XGA
– Made by AU–



△ [MA]

Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

L-4. LCD 15-inch XGA

– Made by AU–

| Ref.No. | Part No. | Description |
|---------|-------------------|------------------------------------|
| 609 | 4-672-493-01 | COVER(SC) |
| 1001 | 4-682-380-01 | SE1 COVER HINGE |
| 1005 | 4-682-397-01 | & SE1 CUSHION LCD SIDE |
| 1006 | 4-682-396-01 | & SE1 CUSHION LATCH |
| 1007 | 4-682-395-01 | & SE1 CUSHION LCD |
| 1008 | 4-682-398-01 | & SE1 COVER SCREW |
| 1009 | 4-682-388-01 | SE1 HOOK PLATE LCD 2 |
| 1010 | 4-682-390-01 | SE1 HOOK LCD 15 |
| 1011 | 2-024-790-01 | SE1 GASKET AU LVDS DISPLAY |
| 1101 | X-4626-643-1 | SE1 BEZEL DISPLAY 15 ASSY |
| 1107 | X-4626-642-1 | SE1 HOUSING DISPLAY 15 ASSY |
| 1108 | 4-682-405-01 | SE1 HINGE R |
| 1109 | 4-682-404-01 | SE1 HINGE L |
| 1110 | 2-024-789-01 | SE1 TAPE LVDS DISPLAY |
| 1111 | 4-682-391-01 | SE1 SHEET LCD |
| 1201 | A-8119-993-A | HARNESS, LCD FOR 15XGA |
| 1202 | 4-682-400-01 | SE1 BRACKET LCD SPWG L |
| 1203 | 4-682-401-01 | SE1 BRACKET LCD SPWG R |
| 1204 | A-8115-791-A \$ # | ASSY LCD 15XGA(AU)(S) |
| 1205 | 1-476-316-31 | INVERTER UNIT |
| B1 | 4-672-836-01 | SCREW, M2 SPECIAL HEAD,EG GRIP |
| B5 | 4-672-836-11 | <&> SCREW, M2 SPECIAL HEAD,EG GRIP |
| B7 | 4-644-637-21 | GRIP, M2 EG |
| B15 | 4-653-582-21 | <&> SCREW M2(NE) |
| B17 | 4-671-538-01 | SCREW(M2x4),SPECIAL HEAD |
| B22 | 2-108-227-01 | SPECIAL FLAT HEAD(EG GRIP) |



[MA]

| | | | AM | | AO |
|---------|--------------|-------------------|-------|--------|--------|
| Ref.No. | Part No. | Description | A230* | A230B* | A230P* |
| 1012 | 2-320-353-61 | LABEL ID (UCTO) | | | ● |
| | 2-320-353-71 | LABEL ID (UCTO) | ● | | |
| | 2-320-353-81 | LABEL ID (UCTO) | | ● | |
| | 2-320-356-11 | LABEL ID (C) | | | ● |
| 1112 | A-1058-421-A | CABLE, WL ANTENNA | ● | ● | ● |



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- This parts list contains two different types of parts.
The first type is the parts that are common to all models.
The other type is the parts that are different depending on each model.
- This model that is accompanied by asterisk (*) is the CTO model.
- この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。
- 機種名に(*)がつくのは CTO モデルです。

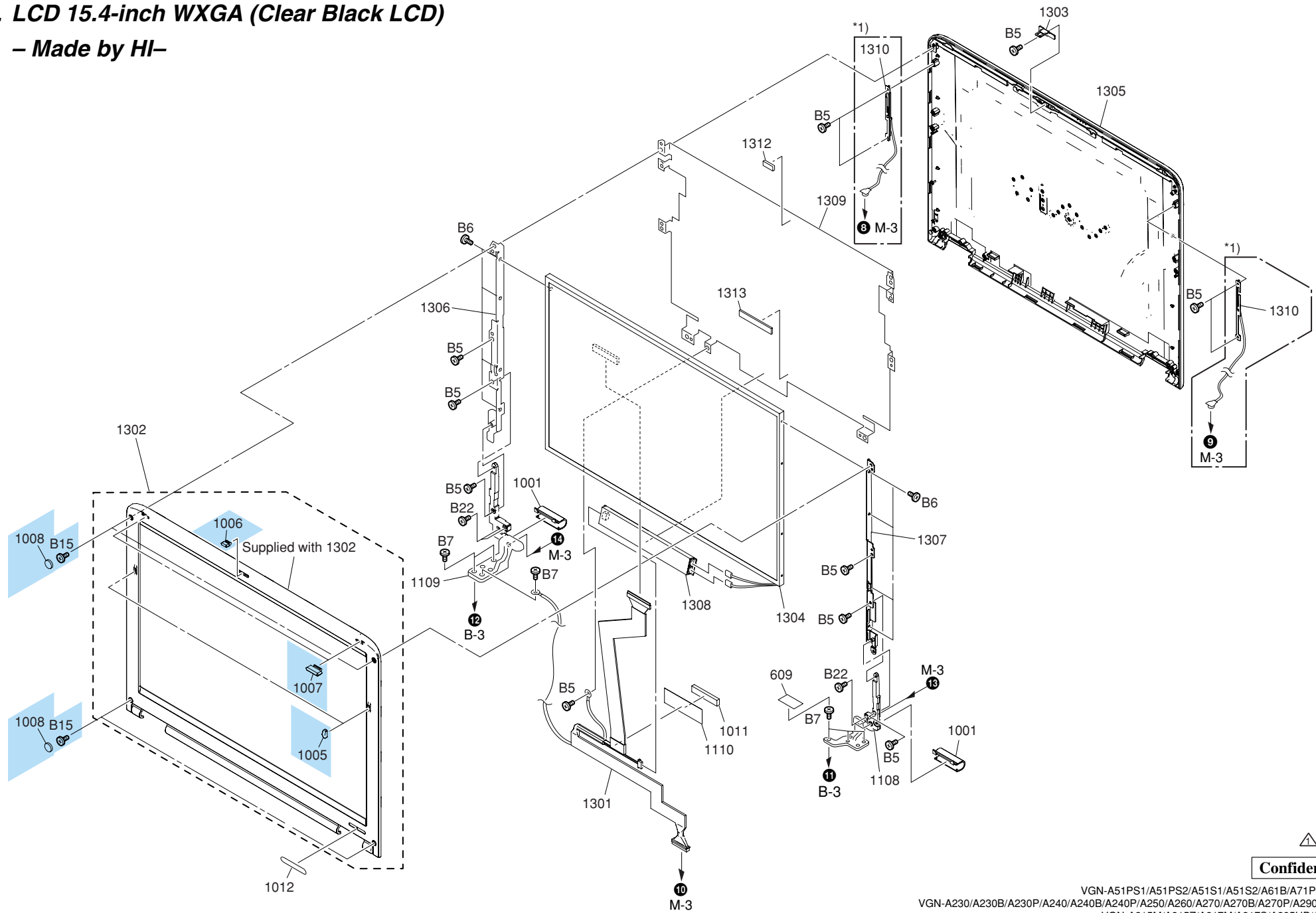
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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

L-5. LCD 15.4-inch WXGA (Clear Black LCD)

– Made by HI–



L-5. LCD 15.4-inch WXGA (Clear Black LCD)

– Made by HI–

| Ref.No. | Part No. | Description |
|---------|-------------------|------------------------------------|
| 609 | 4-672-493-01 | COVER(SC) |
| 1001 | 4-682-380-01 | SE1 COVER HINGE |
| 1005 | 4-682-397-01 | & SE1 CUSHION LCD SIDE |
| 1006 | 4-682-396-01 | & SE1 CUSHION LATCH |
| 1007 | 4-682-395-01 | & SE1 CUSHION LCD |
| 1008 | 4-682-398-01 | & SE1 COVER SCREW |
| 1011 | 2-024-790-01 | SE1 GASKET AU LVDS DISPLAY |
| 1108 | 4-682-405-01 | SE1 HINGE R |
| 1109 | 4-682-404-01 | SE1 HINGE L |
| 1301 | A-1067-140-A | HARNESS, LCD FOR 15.4WXGA |
| 1302 | X-2021-749-1 | SEM BEZEL DISPLAY ASSY |
| 1303 | 2-050-879-01 | SEM LCD HOOK |
| 1304 | A-1072-741-A \$ # | ASSY LCD(15.4WXGA)(H)(S) |
| 1305 | X-2021-750-1 | SEM HOUSING DISPLAY ASSY |
| 1306 | 2-050-880-01 | SEM LCD BRACKET L |
| 1307 | 2-050-881-01 | SEM LCD BRACKET R |
| 1308 | 1-478-040-11 | INVERTER UNIT |
| 1309 | 2-050-890-01 | SEM LCD SHIELDING AL |
| 1110 | 2-024-789-01 | SE1 TAPE LVDS DISPLAY |
| 1312 | 4-677-681-01 | SR1 SPONGE DOOR BATTERY |
| 1313 | 2-515-223-01 | SPONGE LCD |
| B5 | 4-672-836-11 | <&> SCREW, M2 SPECIAL HEAD,EG GRIP |
| B6 | 4-656-703-01 | SCREW,M2 GRIP |
| B7 | 4-644-637-21 | GRIP M2 EG |
| B15 | 4-653-582-21 | <&> SCREW M2(NE) |
| B22 | 2-108-227-01 | SPECIAL FLAT HEAD(EG GRIP) |

| | | | J | | AM | | | | EU | | AO | | | | | | | |
|------------------------------|------|--------------|-------------------------|--------|------|------|-------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|------|
| | | | A51PS1* | A51S1* | A260 | A250 | A240* | A240B* | A240P* | A290F | A295HP | A215M | A215Z | A29GP | A29SP | A29LP | A29TP | A21C |
| Ref.No. Part No. Description | | | | | | | | | | | | | | | | | | |
| | 1310 | A-1067-141-A | CABLE, WL ANTENNA FOR M | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | 1012 | 2-320-341-11 | LABEL ID (U) | | | ● | | | | | | | | | | | | |
| | | 2-320-341-21 | LABEL ID (U) | | | | ● | | | | | | | | | | | |
| | | 2-320-345-01 | LABEL ID (E) | | | | | | | | ● | | | | | | | |
| | | 2-320-345-11 | LABEL ID (E) | | | | | | | | | ● | | | | | | |
| | | 2-320-345-31 | LABEL ID (E) | | | | | | | | | | ● | | | | | |
| | | 2-320-350-21 | LABEL ID (J) | ● | | | | | | | | | | | | | | |
| | | 2-320-350-31 | LABEL ID (J) | | ● | | | | | | | | | | | | | |
| | | 2-320-353-31 | LABEL ID (UCTO) | | | | | ● | | ● | | | | | | | | |
| | | 2-320-353-41 | LABEL ID (UCTO) | | | | | | ● | | | | | | | | | |
| | | 2-320-353-51 | LABEL ID (UCTO) | | | | | | ● | | | | | | | | | |
| | | 2-320-354-01 | LABEL ID (L) | | | | | | | | ● | | | | | | | |
| | | 2-320-356-21 | LABEL ID (C) | | | | | | | | | | | | | | | ● |
| | | 2-320-361-01 | LABEL ID (I) | | | | | | | | | | | ● | | | | |
| | | 2-320-361-11 | LABEL ID (I) | | | | | | | | | | | | ● | | | |
| | | 2-320-361-21 | LABEL ID (I) | | | | | | | | | | | | | ● | | |
| | | 2-320-361-31 | LABEL ID (I) | | | | | | | | | | | | | | ● | |

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- This model that is accompanied by asterisk (*) is the CTO model.

- この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。
- 機種名に(*)がつくのは CTO モデルです。

- 1) The CABLE,WL ANTENNA FOR M(Ref.1310) is installed also in the models without Wireless LAN.
Refer to "5-3 Wiring the W-LAN Cable" in CHAPTER 5 to see how to wire the CABLE.

- 1) Wireless-LAN を搭載しないモデルにも、CABLE,WL ANTENNA FOR M (Ref.1310) が取りつけられています。
ケーブルの処理方法は CHAPTER 5、「5-3 Wiring the W-LAN Cable」を参照してください。

△ [MA]

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP



A-2. Accessories

| Ref.No. | Part No. | Description |
|---------|-----------------|-------------------------------|
| 1 | X-4626-667-1 | SUB HOUSING UPPER BPR ASSY |
| 2 | 4-682-689-01 | BPR MYLAR FOOT |
| 3 | 4-682-693-01 | BPR CAP BOSS DOCK CONN |
| 4 | 4-682-694-01 | BPR BRACKET ARM TRAY |
| 5 | 4-682-695-01 | BPR HOOK FRONT |
| 6 | 4-682-697-01 | BPR ARM SLIDE HOOK YOKO |
| 7 | 4-682-698-01 | BPR KNOB HOOK RELEASE |
| 8 | 4-682-699-01 | BPR KNOB HOOK RELEASE BOTTOM |
| 9 | 4-682-700-01 | BPR PIN GND |
| 10 | X-4626-672-1 | SUB HOUSING TRAY BPR ASSY |
| 11 | 4-682-721-01 | & BPR CUSHION REAR |
| 12 | 4-682-720-01 | & BPR CUSHION FRONT |
| 13 | 2-048-435-01 | BPR MYLAR FPC |
| 14 | A-1058-415-A | HARNESS, DC |
| 15 | A-1059-670-A \$ | COMPLETE PWB CNX-271 |
| 16 | 4-682-690-01 | BPR PLATE DOCK CONN UPPER |
| 17 | 4-682-691-01 | BPR PLATE DOCK CONN BOTTOM |
| 18 | 2-048-436-01 | BPR MYLAR SHIELDING |
| 19 | X-2021-564-1 | BPR ASSYSUB CAM SLIDE HOOK |
| 20 | 2-048-437-01 | BPR SPONGE CAM SLIDE HOOK |
| 21 | 4-682-709-01 | BPR ARM TRAY PIN |
| 22 | 4-682-712-01 | BPR BRACKET DC |
| 24 | 4-682-708-01 | BPR LIGHT GUIDE LED |
| 25 | 4-682-714-01 | BPR SPRING TRAY R |
| 26 | 4-682-715-01 | BPR SPRING TRAY L |
| 28 | X-4626-669-1 | SUB HOUSING BOTTOM BPR ASSY |
| 29 | 4-682-703-01 | & BPR RUBBET FOOT |
| 30 | 2-048-440-01 | APR MYLAR B2B CONNECTOR |
| 32 | X-4626-671-1 | SUB FRAME BPR ASSY |
| 33 | 4-682-710-01 | BPR COVER RIGHT HOUSING UPPER |
| 34 | 4-682-711-01 | BPR COVER LEFT HOUSING UPPER |
| 35 | A-1058-418-A | PWB (60P), FLEXIBLE PRINT A |
| 36 | A-1058-419-A | PWB (60P), FLEXIBLE PRINT B |
| 37 | A-1058-420-A | CABLE, ETHER |
| 40 | 4-682-728-01 | APR COVER BRACKET D-SUB-1 |
| 41 | 4-682-729-01 | APR COVER BRACKET D-SUB-2 |
| 42 | 2-048-439-01 | BPR ENFORCE PLATE |
| 43 | 2-103-312-01 | MYLAR TOP SHIELD R |
| 45 | 2-103-314-01 | MYLAR 34x40 |
| 47 | 2-103-316-01 | GASKET 7x10x2 |
| 48 | 2-103-317-01 | MYLAR HOOK FRONT |
| 50 | 2-103-318-01 | APR FOIL AL 6x24 |
| 51 | A-1059-668-A \$ | COMPLETE PWB IFX-312 |
| 60 | 2-048-434-01 | BPR MYLAR BRACKET ARM TRAY |
| 61 | 2-103-313-01 | BPR MYLAR TOP SHIELD L |

| Ref.No. | Part No. | Description |
|---------|--------------|----------------------------|
| 62 | 2-148-338-01 | BPR SPONGE USB 2 PORT |
| B31 | 4-635-966-01 | SCREW (HEX) |
| B32 | 4-671-504-11 | <&> SCREW,TAPPING+P2.6 |
| B33 | 3-906-376-01 | SCREW(2.6x6) |
| B34 | 4-639-112-31 | SCREW M2X4 |
| B35 | 2-103-677-01 | T3X8L, (I) B-NI |
| B36 | 4-641-726-21 | <&> SCREW(M2),SPECIAL HEAD |
| B37 | 4-671-538-01 | SCREW(M2x4),SPECIAL HEAD |
| B38 | 4-635-301-11 | SCREW M3X4 |

| Ref.No. | Part No. | Description | J-PR | U-PR | E-PR | C-PR |
|---------|--------------|--------------------------------|------|------|------|------|
| 27 | A-1084-118-A | \$ COMPLETE PWB CNX-250E | ● | ● | ● | ● |
| | A-1084-117-A | \$ COMPLETE PWB CNX-250C | | | | ● |
| 31 | X-4626-673-1 | SUB COVER IO AV1 APR1 ASSY | ● | ● | ● | |
| 44 | 2-103-240-01 | MYLAR RCA 1PIN | ● | ● | ● | |
| 49 | 4-680-501-01 | RF,CONN WASHER | ● | ● | | |
| 52 | A-1059-662-A | \$ COMPLETE PWB ENX-29(J) | ● | | | |
| | A-1059-667-A | \$ COMPLETE PWB ENX-29(U) | | ● | | |
| | A-1081-799-A | \$ COMPLETE PWB ENX-34 | | | ● | |
| 53 | 4-682-722-01 | APR BRACKET TUNER | ● | ● | | |
| 80 | 2-345-937-01 | EPR BRACKET TUNER | | | ● | |
| 54 | 4-680-482-01 | RF CONN,NUT | ● | ● | | |
| 63 | 2-148-335-01 | APR THERMAL PAD TUNER BIG | ● | ● | | |
| 64 | 2-148-336-01 | APR THERMAL PAD TUNER SIDE | ● | ● | | |
| 65 | X-2022-558-1 | ASSY SUB HEATSINK TUNER | ● | ● | | |
| 66 | 2-148-337-01 | APR ADHESIVE HEATSINK TUNER MO | ● | ● | | |
| 67 | X-2024-177-1 | APR SUB FAN BRACKET ASSY | | | ● | |
| 68 | 2-318-497-01 | APR ADHESIVE FAN BRACKET | | | ● | |
| 69 | A-1081-380-A | UDQFUMH07-AS DC FAN 105MM | | | ● | |
| 70 | 2-345-931-01 | EPR MYLAR TUNER | | | ● | |
| 71 | 2-318-499-01 | EPR BRACKET TUNER | | | ● | |
| 72 | 2-345-932-01 | CPR SPACER DC | | | | ● |
| 73 | 2-345-933-01 | CPR DUMMY BOARD | | | | ● |
| 74 | X-2024-630-1 | CPR COVER IO AV ASSY | | | | ● |
| 75 | 2-345-934-01 | CPR CAP S-VIDEO | | | | ● |
| 76 | 2-345-935-01 | CPR CAP VIDEO IN | | | | ● |
| 77 | 2-345-936-01 | CPR CAP TUNER | | | | ● |
| 78 | 2-345-937-01 | CPR MYLAR RCA | | | | ● |

- The destination is shown in the list of 4-1 for the Port Replicator.
Please refer to list shown in the below.

- ポートリプリケータの仕向けは、4-1 の一覧表を参照ください。

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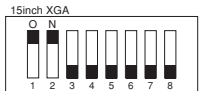
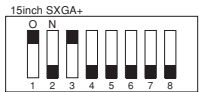
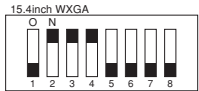
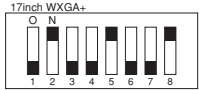
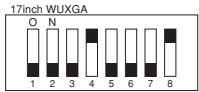
VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
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VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

DIP Switch

The DIP switch setting is following table.
DIP スイッチの設定は下の表をご参照ください。

| | |
|----|---|
| J | <div><div>△[MA]</div><div>VGN-A61B</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> |
| AM | <div><div>△[MA]</div><div>VGN-A250</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A260</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A290</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A290F</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> |
| EU | <div><div>△[MA]</div><div>VGN-A215M</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A215Z</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A217M</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A217S</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A295HP</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A297XP</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> |
| AO | <div><div>△[MA]</div><div>VGN-A21C</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A23CP</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A29CP</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A29GP</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A29LP</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A29SP</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> <div><div>△[MA]</div><div>VGN-A29TP</div><div><div><div>O</div><div>N</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div> |

△[MA]
[FOR CTO MODEL]



The DIP switch setting is different depending the types of LCD.
Set the DIP switch of the CTO model in accordance with the [FOR CTO MODEL].
DIP スイッチの設定は、LCD の種類によって異なります。
CTO モデルは、【FOR CTO MODEL】の表に従って DIP スイッチを設定してください。

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

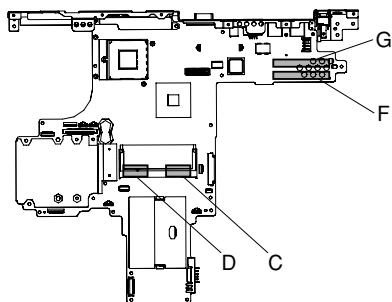
CHAPTER 5. OTHERS

5-1. The barcode label

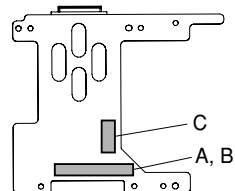
The hatched portion of the barcode label is used as the repair data.

バーコードラベルの網掛け部は、修理データとして使用しています。

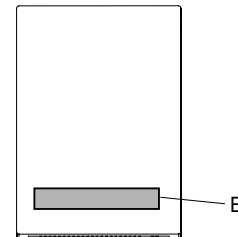
[MBX-110 Board] (Side A)




[IFX-335/IFX-324 Board] (Side B)

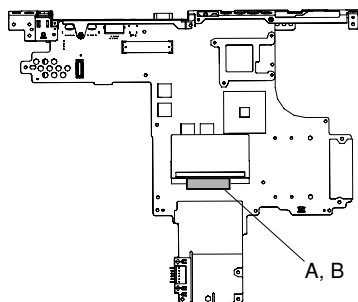


[HDD] (Made by Hi) (Bottom)

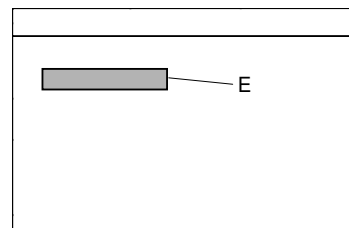


- A : Parts No.
- B : Serial No.
- C : Revision No.
- D : Product code
- E : Maker Barcode
- F : Global User ID (iLink)
- G : Mac Address
-  : Barcode

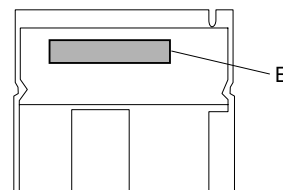
[MBX-110 Board] (Side B)



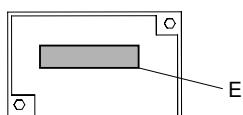
[LCD Unit] (Rear)



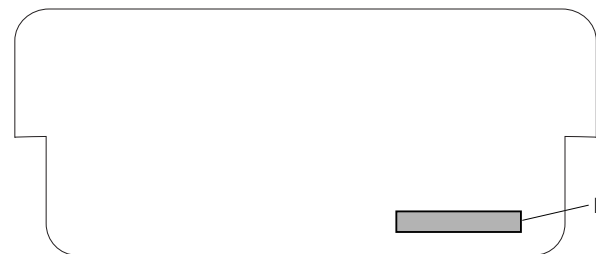
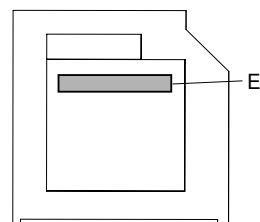
[Wireless LAN Card]



[Modem Card]



[Optical Drive] (Top)



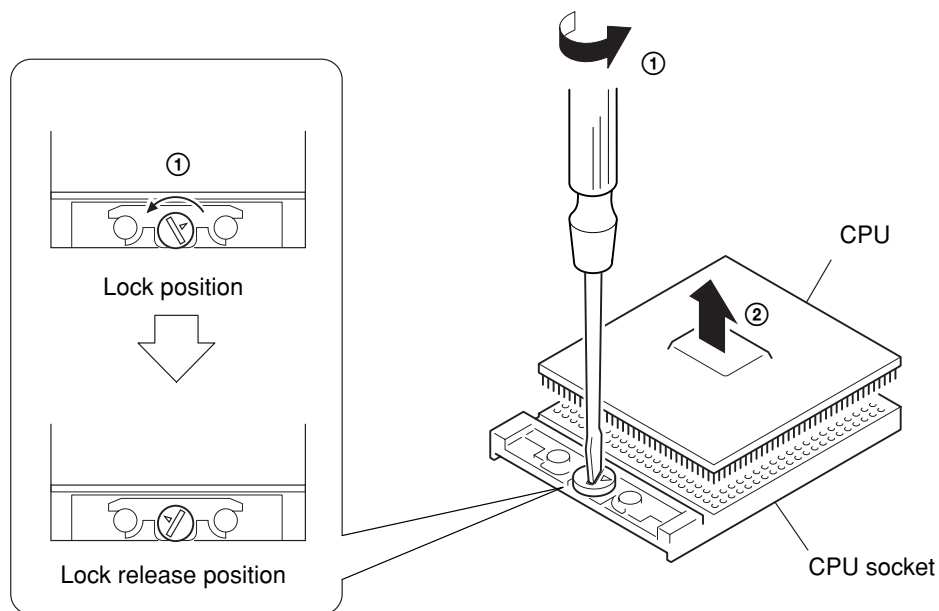
Confidential

VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

5-2. Replacing the CPU

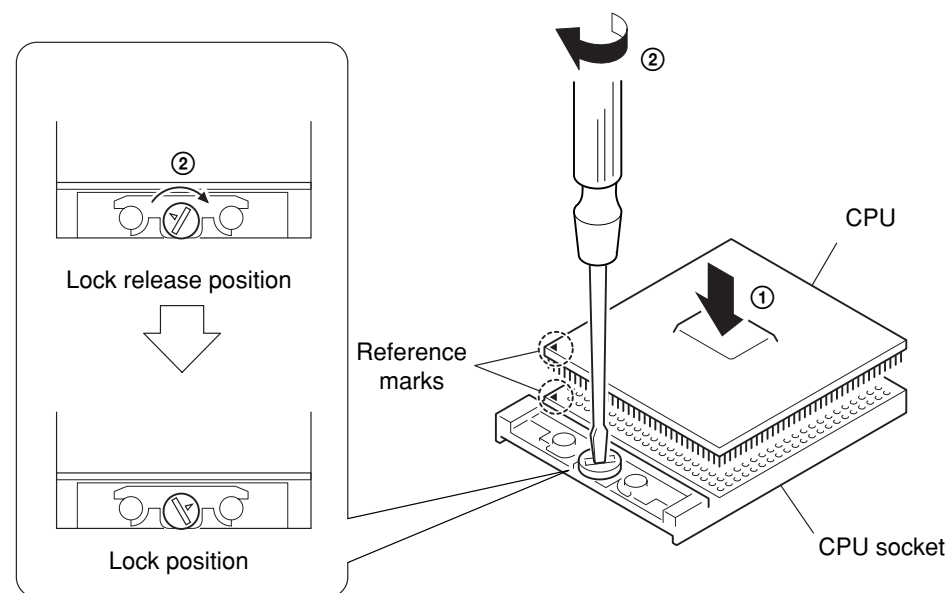
1. Removing the CPU

- ① Insert a flat-blade screwdriver into the notch as shown in the illustration and rotate it so that the protrusion comes to the lock release position.
- ② Pull the CPU gently upward to lift it out of the CPU socket.



2. Installing the CPU

- ① Align the triangle reference mark of the CPU with that of the CPU socket and insert all the pins of the CPU to the corresponding holes of the CPU socket.
- ② While pressing the two positions marked by ○, insert the flat head (-) screwdriver into the specified position and rotate the screwdriver to the LOCK position.



NOTE:

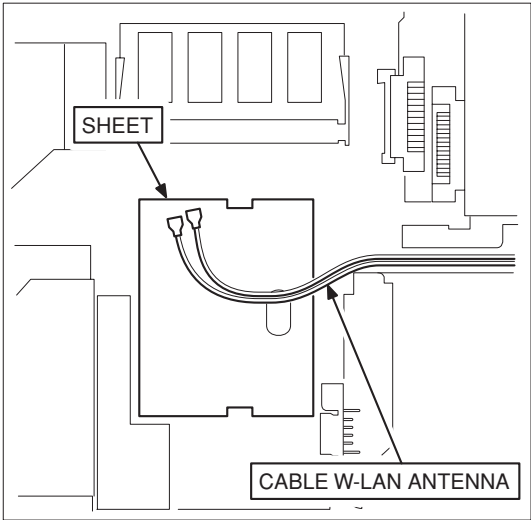
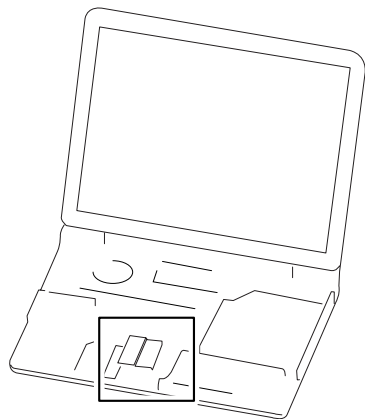
Rotate a flat-blade screwdriver to the lock position securely. If not, the operation of the CPU may become unstable.

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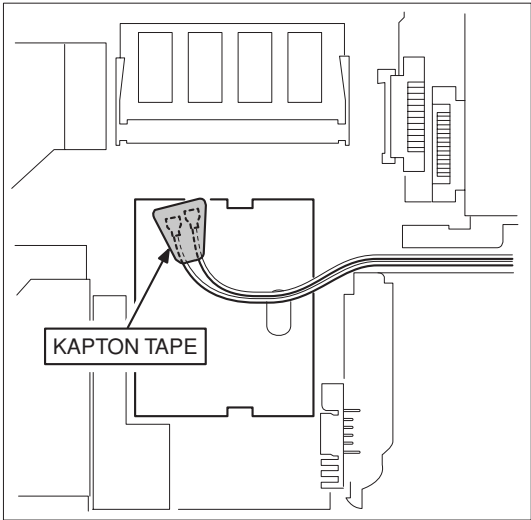
VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

5-3. Wiring the W-LAN Cable (For 15.4 WXGA Model)

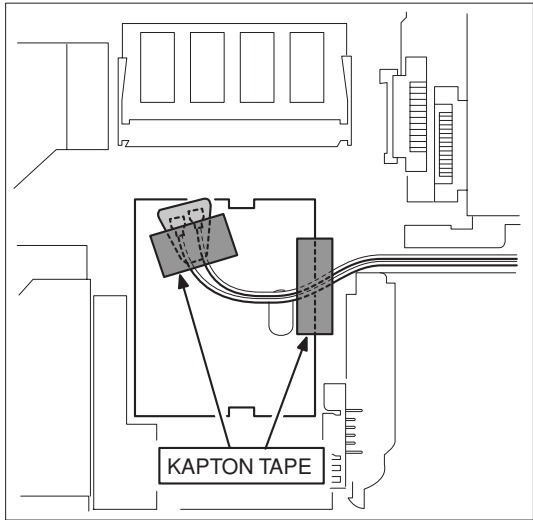
* The CABLE W-LAN ANTENNA is installed also in the models without Wireless LAN.
Refer to the instructions below to see how to wire the CABLE.



1. Wire the CABLE W-LAN as shown in the picture.



2. Attach the KAPTON TAPE to secure the terminal of the CABLE such that it winds around secure the terminal of the CABLE.



3. Attach the KAPTON TAPE on the top of the sheet and secure the CABLE.

⚠ [MA]

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP



VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP

List of VGN-A Series (As of November, 2004)

| Service Manual Part No. | Model Name | | | |
|----------------------------|-------------|------------|------------|-----------|
| | J | AM | EU | AO |
| 9-876-367-XX | VGN-A50B | VGN-A130* | VGN-A115B | VGN-A11C |
| | VGN-A60B | VGN-A130P* | VGN-A115S | VGN-A13CP |
| | VGN-A60PS* | VGN-A170* | VGN-A117S | VGN-A15CP |
| | VGN-A60S* | VGN-A170P* | VGN-A195EP | VGN-A15GP |
| | VGN-A70P | VGN-A190 | VGN-A195HP | VGN-A15LP |
| | VGN-A70PS* | | VGN-A197VP | VGN-A17GP |
| | VGN-A70S* | | VGN-A197XP | VGN-A17LP |
| 9-876-374-XX | | VGN-A140* | VGN-A115M | VGN-A17CP |
| | | VGN-A140B* | VGN-A115Z | VGN-A19GP |
| | | VGN-A140P* | | VGN-A19LP |
| | | VGN-A150 | | VGN-A19SP |
| | | VGN-A160 | | VGN-A19TP |
| | | VGN-A190F | | |
| | | | | |
| 9-876-387-XX | VGN-A51PS1* | VGN-A230* | VGN-A215M | VGN-A21C |
| | VGN-A51PS2* | VGN-A230B* | VGN-A215Z | VGN-A23CP |
| | VGN-A51S1* | VGN-A230P* | VGN-A217M | VGN-A29CP |
| | VGN-A51S2* | VGN-A240* | VGN-A217S | VGN-A29GP |
| | VGN-A61B | VGN-A240B* | VGN-A295HP | VGN-A29LP |
| | VGN-A71PS* | VGN-A240P* | VGN-A297XP | VGN-A29SP |
| | VGN-A71S* | VGN-A250 | | VGN-A29TP |
| | | VGN-A260 | | |
| | | VGN-A270* | | |
| | | VGN-A270B* | | |
| | | VGN-A270P* | | |
| | | VGN-A290 | | |
| | | VGN-A290F | | |
| | | | | |
| | | | | |

* : CTO Model
☞ : Additional Models

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Revision History

| Suffix | Ver. | Date | Contents | QM No. |
|-------------|-------|------------|--|-------------|
| -01 | Ver.1 | 2004.09.10 | First Edition | |
| -02 | Ver.2 | 2004.10.01 | △ ¹ Front Page (Model Line Up), Page 3, Page 1-1_8, Page 3-1, Page 4-1, Page 4-3_7, Page 4-9_21, Page 4-23_32, Page 4-35, Page 5-3, Back Cover | N2004_101AK |
| -03 | Ver.3 | 2004.10.18 | △ ² Front Page (Model Line Up), Page 3, Page 1-1_5, Page 4-1, Page 4-3, Page 4-5, Page 4-7, Page 4-9, Page 4-11, Page 4-13, Page 4-15, Page 4-17, Page 4-19_21, Page 4-23, Page 4-25, Page 4-27, Page 4-31_35, Back Cover | N2004_102AK |
| -04 | Ver.4 | 2004.11.15 | △ ³ Front Page (Model Line Up), Page 3, Page 1-2, Page 4-1, Page 4-5, Page 4-7, Page 4-11, Page 4-13, Page 4-17, Page 4-19, Page 4-21, Page 4-29, Page 4-31_32, Page 4-35, Back Cover | N2004_129AK |
| -05 | Ver.5 | 2004.12.13 | △ ⁴ Front Page (Model Line Up), Page 1-3, Page 3-2, Page 4-1, Page 4-3, Page 4-7, Page 4-9, Page 4-13, Page 4-15, Page 4-19, Page 4-21, Page 4-23, Page 4-31, Page 4-32_4-35, Back Cover | N2004_131AK |
| | | | | |
| < Remarks > | | | | |

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VGN-A51PS1/A51PS2/A51S1/A51S2/A61B/A71PS/A71S (J)
VGN-A230/A230B/A230P/A240/A240B/A240P/A250/A260/A270/A270B/A270P/A290/A290F (AM)
VGN-A215M/A215Z/A217M/A217S/A295HP/A297XP (EU)
VGN-A21C/A23CP/A29CP/A29GP/A29LP/A29SP/A29TP (AO)